Birtleficts (Chadds Ford P.O.)
Delaware Co. Penn.ª
July 27th 1861

Dr. Asa Gray

Dr Sir

Several weeks since I addressed you a note enclosing (as in this) a specimen of a grass which I gathered in an old field in New Castle Co. Del.ª and took at the time to be Aira caryophyllea L. Not having heard from you since I had thought that the plant might be only A. praecox, L. and that you had considered it not worth attention. But I have since procured an authentic specimen of the latter (sent by Prof. Agardh) and

the two decem so differ as that I have concluded (at the risk of trespassing upon your time and patience) to enclose another specimen thinking that the former note may have miscarried.

I am Sirs
Very Respectfully
Wm. McCauley

Brookfield (Chaddsford P.O.)
Delaware Coy Penna Sep 7th 1861.

Dr Asa Gray

Dear Sir

Your favor of the 5th inst
is received. Had I been entirely
certain about the Asia carnivorous
Dionæa I would have given a fuller
description of the locality. It is in
Newcastle Coy Del near the sta-
tion of Mr Merchant's Quercus he-
terophyll(a) in a dry piece of ground
rather open but dotted over with
pine trees (Pinus inops), and completely surround-
ed by a forest. It evidently has
not been ploughed for 10 years; probably

not for a much longer time
The plant is in patches and so
thick in each place that I
was attracted to it from some
distance by the silvery appearance
it gave to the ground. In company
with it was Polygala Nuttallii
Gray, mentioned so but no clover
timothy or any of the grasses
usually cultivated. Could Provi-
dence permitting) attend to it
next year & report.

Respectfully Yours

Wm. W. Cooke

Waddsboro Oct 27th 1863

Dear Sir

I thank you for your prompt attention to my parcel. I have just returned from Phil.a, where, in company with J. P. James, I compared the Desmodeum from Maryland, with ~~that of~~ D. humifusum in Herb. Muhl. The two species are very distinct. In the genical collection in the Herb., there is one specimen of D. humifusum, but none of our plant. But Dr James fortunately came across a special collection, containing specimens of all the species of "Hedysarum" in the Herb., accompanied by a numbered list in Muhlenberg's handwriting. In this bundle is not only a specimen of "Hedysarum humifusum" collected by Muhlenberg (the date of collection being given in the list), but also a specimen from Elliott, (No 19. Muhl. + 3?8. Ell.) in fruit, and of habit identical with the Maryland plant. This Elliott called H. humifusum, which

Muhlenbergia evidently coincident a misnomer.
The true humifusum has a nearly smooth somewhat angled or lined stem, leaves, oval, smoothish, lighter-colored beneath. Stipules & bracts lanceolate, small; flowers purple! (vide as described in Man.); the joints about 1/4 inch long. D. ochroleucum, is much more hairy all over, the stem round, leaves larger & more rhomboidal, stipules & bracts large, broadly ovate, & striate. Flowers ochroleucous! joints of the pod twice as long as in D. humifusum, oblique, and often twisted or contorted, this being also evidently the case in Elliott's plant. In the specimens collected by me, the stems were entirely prostrate, (except the erect flowering branches or peduncles), two to three & half feet long, spreading in every direction from the central root.

From an examination of a specimen of Pickering's, in Mr Durand's Herb. I believe the Alden, is A. maritima Muhl & Nutt. (See Dyllva p. 34.) As to the flowers being developed out of season, I can only say that we noticed it over a range of more than 50 miles, and found it everywhere in bloom, not partially, but fully; and later in the season, after the male catkins had fallen, we saw not a single preparation for spring flowering, though on the common species, the young catkins were already 1/2 to 1 inch long. I will try to see it next Spring.

I intend to look at these plants in the Herb. Acad. N.S. Phila., and in Bank. Am. Letters.

The Elephantopus differs much in habit from our E. Carolinianus. The radical leaves being narrow, & spreading flat on the ground in a circle. When the plant is abundant, a good square of the surface is sometimes completely covered.

I send what I suppose to be Eleocharis simplex, Torr., overlooked before.

Do not take time to answer this now, but "salt it down" with the other notes.

Yours truly Wm M. Canby

Dr Gray.

Chaddsford Jan. 2d 1864

Dear Sir

I have been unable to answer your favr of the 12th ult. before this. I now send a somewhat hastily written article on the Maryland plants, which you will please cut and slash at as much as may be necessary. I do not feel satisfied with the Desmodium portion, as there seems to be hardly enough comparison to make the thing plain. Perhaps it would be better to give the descriptions on the small paper at the end of the foot note. Or to translate Muhlenberg MSS. descriptions, (from the mixed English German & Latin) and give them with explanatory remarks. I have been afraid of being too lengthy.

Chapman describing D. rotundifolium says Flowers "occasionally yellowish white". Perhaps he has confounded this with D. ochroleucum.

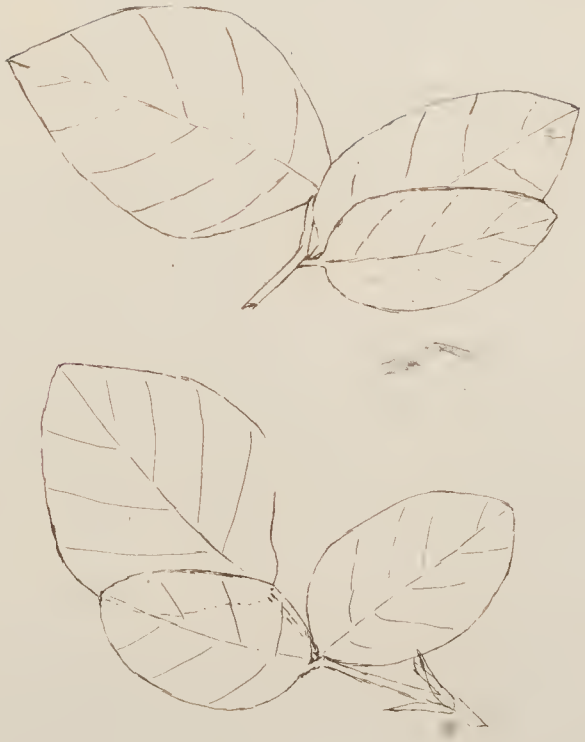
I have seen Mr Commons who has no

objection to your giving the Scirpus any name you may think proper. But I must acknowledge his finding it in the proposed article.

I enclose you my cartes as requested. Now I have long desired to possess yours and have looked for it in vain in Phil.a when it is not difficult to get those of some of our Naturalists. I acknowledge how entirely beyond all reason it would be to expect you to supply such demands, but if you will tell me who has your negatives, I shall be very thankful, will promise not to abuse the privelege, and will give you no further trouble.

Opposite are sketches of two leaves of Muhlenbergs specimens of hemipsamma.

Very truly
Wm M. Canby



Prof. A. Gray.

534 Market St. Wilmington

March 30 1865

My Dear Sir

I have your esteemed favor of 25 inst. With regard to the seeds mentioned I shall want Camps, Blanders, Wright's Jems, (separate) and most likely the Sandwich Is. plants. With Blanden I have been in correspondence for some time, and have endeavored to get him to make extensive collections in California, in order to dispose of them in sets. I have also exchanged with him, and have just received a package containing some two or three hundred species, among them quite a number of grasses. A set of those he has for sale will supplement these and if as I suppose

thing are to be revised by yourself or Thurber will make me easy about the nomenclature.

Do you, please, publish the Lobelia. I have gathered it five or six years in succession and believe it very distinct, and constant. Your remark about having brought it to your notice before, set me to thinking as I felt certain I had never done so. Now, I remember having had a talk about the plant with my friend Charles E. Smith of Rich^d, and, if I mistake not, it was he who first brought it to your notice, and showed him the cudit of it. I dont know whether he or You would think it worth while, but it would give me great pleasure to have the plant bear his name.

Mr Rothrock in his treatise on Gaumineæ speaks of the indusium surrounding the stigma being noticed only by Vogel; but Dr Darlington speaks of it, in Flora Cest. 2 ed. p 598.

With many thanks, for your good wishes in regard to my health, which though not entirely restored, is much better,

I am Very Resp^y Yours

Jno. M. Coulter

Dr A. Gray
Cambridge, Mass.

Wilmington N. C. Feb 15th 1867

My Dear Dr. Gray

I duly received both your notes and have not answered the first until now, because in it you wished to know something about my proposed trip to Wilmington N.C., and until now I did not see the way open. If I get off it will be somewhere near the 1st prox. My plan is to take a week to go through the peninsula S. of this, stop over at Norfolk and go to Wilmington, spending a few days there, and get back home in about 2 weeks from the start. I shall be delighted to get any thing I can for you. So if you will send me a list of what you would like to have I will do the best I can for you.

I was delighted to get M. Lenormand's note, and feel very grateful to you for placing me "en relation" with him. I only fear I can aid him in but a small way, but shall do the very best I can for him.

Now as to your question about how I am situated, I answer in this wise. I am not married, but am keeping house here

is a general feeling among we "male fry Botanoides" people, that we are under a great obligation to you for having done so much to smooth our way in this delightful study of Botany, and that it is only paying our just due when we can do anything to aid you.

Excuse the length and style of this. I write as usual in haste but am as ever,

Yours, Wm M. Canby

P.S. My Devonians are getting ready to go into winter-quarters and I can't do more with them this season. C.

with an Aunt & Sister, am in no business, and all my spare time is devoted to Botany. But as I have nothing particular to do for myself, everybody thinks I may do something for others, and so they crowd me all they can with the small matters of the town, Directorships, Trusteeships, &c, &c.; nothing very absorbing however. I expect to remain here during the ensuing winter; but next year we expect if in health to travel much between Canada & Florida, — probably spending 7 out of 12 months away from home. In Botany, I have never felt that I have had the ability to do much, and so have only endeavored to collect, observe a little, and so hang hoping to do some good by distributing specimens, and forming a passable Herbarium for this poor little State, (I don't believe there is much a thing in it at present), so that somebody that might come after me and be more competent than I am, might have the advantage of it. Now after reading the above, if you think there is anything which has more hand-work than head-work in it in which I can aid you, let me know what it is and I will be entirely frank and open with you. I may add that I think it

Enclosed is a letter received lately from the principal of an "Academy". He has been informed where your "Structural & Scientific Botany" can be obtained.

Wilmington Del,
Oct. 5th 1867

Dear Dr. Gray,

I have thought somewhat upon the price of work you ask me to undertake, and while doubting very much my ability to make it what it should be, am willing to try, at least so far as the preliminary observations are concerned. If after this, you or I become convinced that the necessary power is wanting, somebody nearer the mark will have the benefit of my notes and observations so that perhaps the work need not be delayed much. I confess I do not get from your letter exactly the idea

of what is wanted; i.e. whether it is to be strictly scientific or more devoted to the economical uses of our forest trees. From what you say about the first chapters I should suppose the former was to be more kept in view. However this can all be arranged in the future. I have first to get matters settled up with M. Lenormand and others with whom I have promised to exchange. I will enter into no more engagements which would be likely to take much time and this will leave me free to make a special study of Forest Trees by which I suppose are meant those which are really trees and not shrubs, thus excluding most of the willows alders, hazels and the like.

I am somewhat afraid the Wilmington, N.C. trip will have to be postponed. One thing after another seems to turn up to cause delay. If however the original plan is carried out I will not forget the plants seeds &c wh. you desire.

I notice in new edn of Manual no mention of Elephantopus tomentosus. L. If it and E. Carolinianus, Mich are forms of the same plant the former name is the oldest and I should suppose thus entitled to the preference.

Ever truly Yours

Wm M. Canby

over

Wilmington Del
Oct 28th 1867

Dear Dr Gray,

I can truly sympathize and enter into the feeling of loss at the death of your Father-in-law, for a year has not passed since my own Father left us, and so far time but adds to the sense of, and sorrow for, the deprivation.

I sent you a box from Wilmington N.C. containing some nice Specimens of Dionaea and a few plants of Pinus australis. To-day you have another containing some fruit of Sordonia Lasianthus, and a small package to go with this will have in it as follows,

1. An enormous Paspalum laeve? for I cant make anything else out

there will have another hack out of Smyrna Plantation & it must do. I shall be ready whenever then & any thing & you for.

Ever Truly Yours
Wm M. Canby

from near Portsmouth, Va. Southward. The Inglucina also grows along the seashore of Maryland. I also put in what I suppose to be Spuntia Pes-leonis, Lileonte from near Wilmington N.C.

I could not find any one who was willing, to gather acorns or pinenuts. Labor is still much disorganized in the South and the present political aspect does not mend matters. I offered $5.00 a peck for long leaf pinenuts without effect. Stuart-ia Virginica I did not see.

I suppose it will not be long before Horton & Benof it, though many of the Oleaceæ were scarce there. Of the Lepidoptera and Coleoptera there are large numbers of species and individuals, but I could not find many rare species. Of Orthoptera there are many species, but they are quite as small and much less abundant. Of Lepidoptera Danaidæ, Satyridæ, Nymphalidæ, Hesperidæ, Papilionidæ, Pieridæ, Lycænidæ, Erycinidæ, Libytheidæ, Heliconidæ, Nymphalidæ, Danaidæ, Satyrid

Plantago eriopoda, Torr. var:
Arnica alpina
A. longifolia, Eaton
Hieracium aurantiacum Hook
H. glaucum, Nutt.
Erigeron ochroleucum, Nutt. or near it.
E. salsuginosus, Gray
E. between E. caespitosus & E. Coulteri
E. compositus, Pursh. & var: discoideus
E. pencephyllus, Gray
Senecio integerrimus, Nutt. with a single head
S. crassulus Gray, var: with rather thin
per leaves & smaller heads
S. Fremontii, T.& G. var:
Aplopappus Macronema, Gray
A. Lyallii, Gray
Antennaria dioica, Gaertn. & var:
A. flagellaris, Gray!
Taraxacum officinale, Wigg. var: lividum
Hieracium albiflorum, Hook
Nabalus adscendens, Lindl.
N. longifolius, Lam.
N. asperulosus, Hook
Helianthella quinquenervis, Gray
Mulgedium oligophyllum, Gray
Mertensia oblongifolia, Don.
Krynitzkia sericea, Gray
K. Californica, Gray
Gilia tenuiflora, Gray
G. subnuda, Gray
G. pungens, Benth.
Phlox longifolia, Nutt.
P. Douglasii, var: longifolia
P. speciosa, Pursh.
Pentstemon humilis, Nutt. & var:
P. gracilis, Nutt.
P. cristatus, Nutt.
P. deustus, Dougl.
Castilleia miniata, Dougl.
C. pallida, Kth. var: occidentalis Gray

Mimulus Lewisii, Pursh.
M. rubellus, Gray
Pedicularis racemosa, Dougl.
Limnella aquatica, L.
. . . . . .

Eriogonum androsaceum, Benth.
Utricularia aquatica L.
Oxytropis campestris var: Gaudin
Astragalus adsurgens, Pallas
Oxytropus Lagopus, Nutt.
Hedysarum boreale,
Epilobium subpubescens, Nutt.
Boottia heterantha, Nutt.
Leptosiphon pauciflorus, Gibbs
Orobus villosus, Nutt.
Lilaea angustifolia, Nutt.
Platanthera Hookeriana, Torr. (the Fimbriata
P. sparsiflora, Gray
Habenaria viridiflora, Gray

Dear Dr. Gray,

As you know I am
writing the Synoptical Flora
I thought I had better send
a list of plants of the order
therein ~~treated~~ comprised col-
lected by Dr. Hardy in Yellowstone Park
this year - together with a few
others, of interest not described
in the Flora. If any seems
specially to attract your attention and you
desire it - let me send you
the Specimen (generally single),
& I shall probably send
at any rate. There are others
yet to be examined.

Very truly Yours
S. Watson

Wilmington Del. Febry 17th 1868

My Dear Dr. Gray,

After a pleasant and instructive visit to Col. Olney, and a comfortable journey I arrived here on Saturday afternoon.

The past week has been a time of such enjoyment to me that I hardly know how to thank you properly for it. Never before have I experienced the combination of the home-like yet cordial reception which places one so much at ease, and a contact with the best intructed and ablest scientific minds of our country; and all this pleasure I owe to you and your good lady to whom I desire my warmest remembrances and good wishes.

I send by same mail as this a sheet of my Herb. paper, of which

is a foot in length with branches six to eight inches in length.

Leavin, so abruptly I forgot to ask you to take no trouble about the bundle of plants & documents you so kindly gave me but to if at any time the express man should call they might be placed in his charge.

Ever your grateful,

Wm M. Canby

I find by reference to the bill I put 10 reams, 16¼ × 23 inches, weight 36 lbs per ream price $14.40 per ream. They will cut to required size free of charge but charge portorage for delivery to Boston Steamer. The price may be different now (mine was purchased a year ago) but of this I will enquire when I go to Phila. It is possible a larger quantity may be had at lower rates. About quality you can judge from specimens.

Enclosed with the dust are a few specimens of Leucopsis rosea the best I have left in flower & fruit. Another season I could easily get more and perhaps better. Also a specimen of what I suppose to be Schweinitzia gracilis, though the flowers are almost too young for examination, and what Chapman calls the "spike 3' to 4' long" is here a panicle (which in another specim

Wilmington Jun 29th 68

Dear Dr. Gray

I got home Saturday night (27th) and found yours of 22d. To day comes yours of 26th just in time. I leave on 1st prox for Atlantic City for 2 weeks thence West for a couple of months; but will be here about the 10th prox. or a few days earlier. If Boott's Carices and the Cal.a plants are sent to "Wilmington Institute" for Wm M. Canby" it will be all right — they expense of course.

Many thanks for all your trouble.

Though I lost much time in N.C. by want of knowledge of routes &c., I had a

will I hope give you a little rest and recreation. I suppose Mrs. Gray goes with you. My best wishes attend you.

I have a letter from M. Lemonnier acknowledging receipt of package.

I have written a little article for Gardeners' Monthly on Dionaea, which you will see. There is one point I did not sufficiently enlarge upon in regard to the absorbtion of matter by the leaf. If a piece of cheese is closed upon by the leaf and is partially dis-

charming time. Such beauty and sublimity of scenery among those grand mountains. I think the view from the Roan the finest. I ever saw not excepting Mt Washington

Botanically I could not do much for want of time and facilities of carrying a press, but I got good specimens of many good things never the less. I was just too late for Diphyllia and Phacelia fimbriata in flower but saw in fruition the beautiful Rhododendron Catawbiense. On the Black I found Carex pinea and Vaccinium Constablei, and of course more plentifully on the Roan; on the latter on the face of that awful cliff on the West side of the Mt. the Ledum Rhodiola a specimen of which is enclosed. I dont know how it escaped the sharp eyes which have looked them before unless taken for S. telephioides. When time is afforded better specimens of this and other things will be sent.

In spite of the real hard work I must (Providence permitting) go to that lovely country again.

Do Shortia - I suspect it must be, if in the country at all, a very early flowering plant. Mitchaux only got it in fruit and he must have been on those Mountains quite early in the season.

It was much pleasure I heard of your design of going to Europe. It

solved and the leaf evidently filled by it, does it not prove absorbtion almost to a certainty? A pebble might be closed upon but it would be finally rejected without injury to the plant. But would be dissolved and apparently absorbed with benefit. But Chloride kills the leaf and I think it must be absorbed to do it.

I am in great hurry of course preparing to leave home. Expect to be in Chicago during the meeting of Am. Association.

Ever most truly Yours

Jas. M. Canby

Christmas 1865

My Dear Dr Gray,

I owe you many thanks for the receipt of your Southern plants in May of 1864 last and I am glad to say that they all grew & flourished & pleased me.

The Pachystima I will get Mr. Curtis to publish as he desired to do so.

I should dearly love to have a talk with you but I must tell you that I fear "Botany" must go to the wall so far as I am concerned for a good while. To tell you the truth I expect to be married sometime next year and in the mean time I have two houses to build which I must

personally owing are wrong a-
bout. Besides I am behind hand
with business for myself and
others, and must work hard to
catch up - that is as hard as
I can - for I am not strong
enough to venture to overdo the
matter.

Possibly I shall be in Boston
next Sun and if so shall run out
to see you.

Please accept my best
wishes and the compliments of the
season both for yourself & Mrs. Sun.

Yours truly, Mrs. Lowell

Wilmington Aug 12 1875

My Dear Dr. Gray,

You desire me when in Jersey to examine the leaves of Sarracenia purpurea to see if any nutrition could be found on the hills such as you have noticed in those of S. flava. As anticipated I could find nothing of the kind though many leaves were examined.

Mr. Darwin's questions also demanded attention

1st As to whether, when the glands of the leaves were rubbed roughly a few times with the point of a fine needle, they became inflected after a few minutes, or more probably after a few hours.

The results here, as he says of his own were entirely negative.

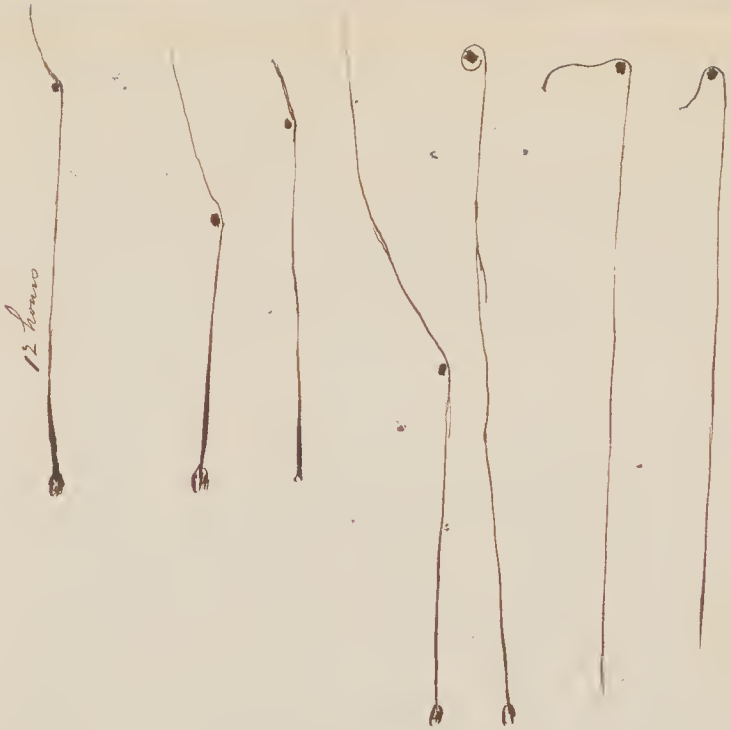
2nd Whether if the whole leaf itself were covered with the dried carcase of crushed flys after 24 hours or so,

I could only extend my observations over 12 hours, but the results, contrary to Mr. Darwin, were quite positive; and in addition to these I fed myself I noticed that in fact accidentally ~~caught~~ caught the ~~inflection~~ inflection was almost universal. On the opposite page are a few sketches of leaves, the glands left off, to show the bending - the one marked "12 hours" being a type of those artificially fed.

I got you all the Soldanella I could. Plenty of the Drosera & Pyrocidanthera can be got another time. But I was so poorly then I ~~got~~ could not get more: and since I have been down with stiff arm rheumatism in my elbow combined with a light intermittent. Getting better now though.

If Mr. Bebb is with you will you please hand him the enclosed; or if not forward if you know where to direct: But take no trouble

Faithfully Yours J. M. Macoun



Wilmington Feb. 23 1874

My Dear Dr. Gray

The Liq. [illegible] came yesterday with "Addenda"; immense sweet gum nice specimens of Australian and other plants, and the Agassiz minerals; the latter worth "more than they all".

I cannot express how much I value this gift, which useful as it may be, has its value immensely increased by its association with him whom we all reverenced. You will know how much I appreciate it and how grateful I feel to you for this kindness on your part.

When the weather moderates, I want to send you a root of Sarracenia Drummondii received a short time since from D. Chapman.

In going over [illegible]

nia Boraginaceae a few days since I had occasion to examine Eritrichium crassisepalum and was surprized to find that one of the nutlets was quite different from the other two in character - being more, almost smooth, or very minutely granulated), and slightly different in shape. I do not of course suppose that this could have escaped all the sharp eyes which have examined the plant but think it best to mention it.

I enclose a little package of fragments I want to ask Mr. Watson about.

Prof Vandatine very kindly invited me to come to Florence in May and to act as "juror" on the occasion of the "International Horticultural Exposition"; which would be a very good occasion to display my ignorance and perhaps get rid of the title of "Dr." which he will insist in giving me. By the way I had almost forgotten to say that such a large box could not have got to you without expense, which I shall be glad to reimburse if you will let me know the amt.

Ever Yours most truly

Asa M. Kauby

[illegible] of the work which is indeed just thought I cannot help telling you of Vol. I saw the other day at [illegible]

By the way what became of Vanyo No. 301 in your review of Bjelowitz? You once said "call it Lysovyris or Solidago Vanyi."

Excuse the length of this & believe me

My dear

[illegible]

I go to N.Y. tuesday to see my books off for Europe next day.

[illegible]

My Dear Dr. Jones

I was so disappointed to get your card announcing an inability to [illegible] Besides the pleasure of having you with us I had quite a number of things to speak of. You will surely admit that you convention was a paramount consideration but hope to have [illegible] not miss us [illegible]

To make this [illegible] I enclose Dr. Millichamp's interesting and important [illegible] which [illegible] from a convenience [illegible]

[illegible] last [illegible] in [illegible]

the saccharine secretion which now-
ever it is to be noted he has not
proved to be intoxicating though
the other secreted fluid is, there is
in a true and a gastric juice
of the latter but have been to make
experiment with it. Besides fluid
are acid and weak.

I also enclose a rude sketch of
an [illegible] allied thereto
received from [illegible] Kennion [illegible] Congdon.
You may know it but it is entirely
strange to me and does not seem to
[illegible] any of the genera described
in the Prodromus in De Candolle.

[illegible] single [illegible] in
[illegible], the filaments & nectaries
inside the [illegible] petaloid
is otherwise [illegible] and
apparently succulent. I should have
said that the cusps of the anthers were
while the anthers themselves were
united along the edges. The stigma is
described in Edwin as in D.C. the membrane
at the base being folded. I notice no
glands about the leaves or petioles or
inside the calyx. The stem and veins
of the leaves (previously underneath) are
purplish. The flowers are quite handsome
& the whole plant neat & pretty.
The single specimen sent me is pretty well
cut up but I can procure it if
necessary.

Prof Eaton

first. I have sent you my papers
[illegible] on plants, &c.

Kensington Nov 14th 1862

My Dear Dr Gray

I send back Mr. Darwin's letter, & some 3 of 5 and will send the other on to Dr. Hellichamp today. They are extremely interesting to me and I thank you for the opportunity of reading them. When is this thing going to stop? Is every planter going to be turned cannibal or cannibal?

The Madagascar story was a good one. I enclose another of a different kind.

I believe I can see into that matter of "staining out the pure grey" but Drosera, I remember when we were at Kew: &c. I got Darwin & Dr Lindley who expressed himself very much satisfied & said that no [illegible] was in them [illegible]

and as the necessity of the training on. What harm do the insects do to the plant? If I get to Hartford I must see more about it.

My impression is that Mellichamp has one or more species of inquisitive near him. He is the very man on the branch. I don't see why one insect should not do as P. rudgeana does. I have examined my specimens (dried) and find a few shreds of Rhynchospora and some small insects sticking. There but no evidence that I can make out of the nature of the former. I know that the margins of the leaves are frequently and perhaps almost always turned over. Morong & Chapman find in Pogo of the leaves, - "with the margins commonly involute". In way no one but Darwin dreamt, but there there is perfect [illegible]

+ the way of his finding out these digestive powers. I have not idea.

I have written to Peterman, Munk "Darlingtonia Californica an insect in your plant". If I don't get the note written or don't get to Hartford it will be no great matter. I have written to Miss Davis but can hear nothing from her.

Why the sketches of Drosera filiformis bending, were not given in the Nat.st. I do not know. The proofs came to me with the passage in referring to them and I was somewhat surprised to see it stricken out and no sketches. I have no notes of my yet and will write about it.

Ever [illegible]

[illegible] is living [illegible] and have

Dear Carr: [illegible]

Lexington July 20 1874

My Dear Dr. Gray

I just wonder that after all your coaching and my asking myself "What harm if the leaf of Dionaea did take a small insect" that I was such a brute that I could see it. Your explanation

Well the discovery is "real Darwinism" — The power I like to think of as organizing higher; and these revelations don't shake my faith, but cause me to wonder and glory all the more in the Great Power, all whose works point Him — whether directly created or "evolved."

I cannot remember that I ever saw anything of the kind about climbing plants, except the winding of a vine until it reaches a support on which to climb. But a year ago I had common "Cypress Vines" planted in a vase in front of my porch. They did not revolve for many weeks but were made directly for the fence behind the vase, 18-24 inches away in spite of all I could do to unmake them do it. This they did speedily. Now did they know it was there and what made determination to reach it? The main daylight was all in the other direction too.

Are we coming to instinct in plants?

Yours truly

J. [illegible] Gray

Edinburgh Nov. 20 1874

My Dear Dr. Gray

I have received through Mr. Redfield the beautiful Brazilian ferns dedicated by one of which I had the honor.

And likewise a "Tribune with the account of Mr. Darwin's most interesting experiments - or to me at least - which confirm my own in certain respects.

Please accept my best thanks for all.

We have stopped work on our Reservoir for the winter and I shall have a little more time for Botany in which I am

If there are any sets, species or any plants that Mr. Commons would like to have counted in. At any rate please let me know.

I saw Prof. Cope yesterday on his way home from Rhodes, &c. He told me that Rothrock had made a collection.

Sandberg has bought a house & lot and is settled here for a while at least. He turned me over a letter to him and was much delighted with it.

Kind regards to Mr. Commons whom I hope is well.

I have some few specimens laid out to be but retain the most of them to add others.

Yours

Through a friend Mr. Commons had been in Brazil, I tried to open correspondence with a view to an exchange of Botanical specimens but had no success. I have no N. Am. specimens and if any opening for an exchange would much like to have it.

Washington Dec. 4 1864

My Dear Dr.

I am sorry to see the case of Dr. Hoskins' boy — and the intimation you give seems to imply that it is due unnecessarily to me.

I send with this Dr. Mellichamp's letter as he requests; and with it this to me with its enclosure. I think we will see in my "counterfeit presentment" and the D's joke at my expense; but also to show that the alderman in spite of his rotundity took care to hasten his flee of his kind of "kuttle" notwithstanding what the two Drs. say about these broad wings (not eating) beans. And here we are even of my unity. When the proof of my article came I examined S. Pittacus and added this note to the revised proof [illegible] Pittacus' beauty.

[illegible] to know [illegible] on the other part. An idea has just occurred to me in relation to the broad rings of the decumbent beams of S. Petersburg. May they not be annual walls of inclosement, formed by casting across the beams and so causing them to "walk into my parlor"? This office in S. Petersburg might be the same.

I have been inclined to think that N. Mo autumn dwarf beams are merely stunted by the dry & warm summer weather and the consequent insufficient moisture, and are not really distinct from the others; but he can [illegible], find out next summer.

I am glad you retreat which is good.

[illegible] to Carey for Emerson &

[illegible] Thoreau, wants [illegible] Hawthorne. [illegible] supplies [illegible] have better [illegible] it for [illegible] book seller.

Aug 1 78

Dear Dr. Gray

I have a letter
to A. Redfield and shall
be most glad to take a cut
of the Acacia plant, from
S. Cal. Please let me know
whenever you have anything
of that kind on hand.

I mention Sunday the 8th to D.D.
and will join with Redfield as to
suggestion in regard to the Phila Club.

Darwin may kindly send me
his most interesting book. It will
help me with Darlington if I get
time to go ahead with it. I am sure
my pod point, - Gray's section on
Cotyledon & Appendage seemed & him down
ing assented but I still doubt that,
the secretion acid and absorption
of matt. digested likely, so on. Can
the Cal Acacia plant climb

[illegible] with [illegible] I can [illegible]
no doubt [illegible] the [illegible] but with the
[illegible] two weeks I think they
may possibly be ordered in.

I am still giving all my time
to this City but hope to be relieved
in [illegible] two or three weeks.

A letter from Dr. Engelmann gives
some interesting points about the
[illegible] Mr. Scott.

With kind regards to Mrs. Gray
in which my wife joins,

Yours cordially

[illegible]

Wilmington & Weldon Rail Road Co.

~~President's Office~~ Wilmington, Del. December 15 1875

My Dear Dr. Gray

Here are the notes asked for.

Darlingtonia propagates by seed and also by offshoots (rhizomes) from the main root which in time break off and become independant plants. The latter make annual growths & send up leaves & a scape somewhat like Iris &c.

Seedling plants are several years in coming to maturity and only during the first year, so far as observed, show the Sarracenia-like leaves; these are always small ($\frac{1}{2}$' to $1\frac{1}{2}$'). On the other plants the leaves sometimes attain a height of 3.° When the leaves are quite young there is no apparent twist in them, (Ill. a) but when 4'-5' high they twist $\frac{1}{4}$ round; At first the hood & tail, twist inwards, but by the half twist these are brought outwards thus giving them more room and presenting a ~~better~~ more attractive appearance. The ~~pit~~ leaf does not begin to form the orifice until the half turn is made.

The secretion of fluid commences before the leaf opens, and increases somewhat afterwards, but after insects are captured it increases much more rapidly and in proportion to the amount of prey taken. When first forming the taste is bitter and astringent. Good large leaves

will contain as much as 6'-7' of fluid + pupæ; but when they are fed with meat, bread, rice, potatoe &c, the fluid is very much increased and in some cases almost completely fill the tubes. Table salt also (naturally increases the secretion of fluid but in all cases kills the larvæ (and larvæ contained therein). In a few days ~~after~~ after thus feeding them crystals of salt are found quite plentifully on hind fishtail &c and in some cases nearly all over the larvæ. (vide Mss a.) The secretion has no intoxicating properties. It is shown to be slightly acid by litmus paper. It kills insects in from 3 to 5 minutes.

As soon as warm weather comes on a sweet secretion commences to form in the shape of "honey dew" on the inside of hind and on the fishtail. By Aug. this is much increased and extends all over the fishtail ~~hind~~ and on the lower outside as well as inside of the hind. Frequently a drop is seen on the extremity of each lobe of fishtail. It has a strong odor and taste of honey! Insects, flies especially are very fond of it. A line of it extends along the edge of wing & the ground in large leaves, and in all sizes of leaves it is found "like honeydew" along the angles formed by the wing and body (petiole)

of the leaf (fide Mr. A) Many ants can be seen feeding upon it here.

Animals captured consist of "spiders, wasps, hornets, ants, grasshoppers katydids worms, butterflies, moths flies ~~spiders~~ beetles, gnats, snails" &c. Both ambulatory & flying insects are captured.

In almost all the tubes (and sometimes outside of the leaves near the root) are found ~~were~~ in greater or lesser numbers ~~a~~ long thin white larvae (of some dipter?) which live upon the decaying matter in the tubes. These do not confine themselves to the fluid but crawl up the tubes as far as the hairs extend.

One or more species of spiders also make their home in the tubes, spreading their webs & laying their eggs. These also crawl up and down the tubes, without difficulty.

Mrs. Austin finds great numbers of an active skipping little insect in the flowers. Also in 35 out of 50 flowers examined at one time spiders and webs. She considers that direct (not crop) fertilization is effected by them.

over

I am about making up a set of from 600
or more of our plants for an Hungarian botanist.
It is just as easy to lay out two sets as one.
Have you any correspondents you would like
to send such to? If so let me know.

—— MML

for him until he lets me know more particularly about the latter.

I have written to Watson about a small set of Palmers plants which I think you wrote me some time since could be had for him. I will write to him (Commons), at once about these things.

Dr. Engelmann is very lively on the oak and hickory questions just now, and keeps Buckley and me on the jump for switches.

Mrs. Ames has just sent me a lot of plants which I shall share with Mr. Ball.

Ever truly & gratefully Yours

Jno. M. Canby

Wilmington Del. 17th 1876

Asa Gray

I am a

more and glad to see me,

for Mrs. C. would not

be much and is very probably

well, for I have been much

troubled with rheumatism or

something else in my thigh.

Dr. Parry has not sent

me any of the new little

plant that could not bear

to be a northern bear, and

Jno Allen is the sinner in a-

bout it and it was and

Parry's kindness. I am very

sensible of the honor you would

do me though my name can

carry nothing with it in a

very few years; but then all I prize the thought of the kindness of friends which a love for Botany has brought me, and which I thank God for almost as much as for anything it has given me. As to the treasures or insignificance of the plant, that may well be its significance so far as anything I have done for the science is concerned, and certainly, need in a botany. If you carry out your idea or attend to, I must write to thank Parry who has always been most friendly.

Box, with books & packages came in perfect safety. I am perfectly charmed with Botany California, which in hastily glancing through it seems to take in a good deal more than it, name would indicate, judging by the localities mentioned & the many species noticed but not strictly included in the work. How much we, who are students, have to thank you, who are our teachers, for! We can't imagine how rejoiced I am to get this work which is worthy of its authors, - and that is saying all that can be said.

B. & A. Gen. Plant 2 p. 2. is much larger than I expected. As soon as you let me know the price I will remit, as I have already to Watson for the Bot. Cal. and the plants.

Now a word for Commons. He wants my much - Bot. Cal.; and also Gen. Plant. - which please hold

of V. Beckwithii, if not a distinct species. Please let me know what you think of it

Gray's monograph of an Rhexioideae gives Rubieva multifida as "rarely occurring in some of the Atlantic States". If I am not mistaken, Mrs. Ames sends it from Plumas Co. Probably you also have it from California.

Very truly Yrs,

Asa Gray

Washington June 28th 1876

My dear ;

The last word I had from Mr. Commons I understood him that he did not desire a set of Palmers S. Cal plants; but I will make further inquiry and let you know.

I wrote to Dr. Gray about some Violas intimating that there might be an undescribed species among them. Since then, principally in view of the extreme variation in a number of the species of this genus, I dont know but that I have given the idea up so far as it concerns a distinct species. But there still seem to be differences worth noting.

In the first place I send you No. 1. to show, that having neither V. Beckwithii nor V. Shelteii as I now suppose them to be, I was somewhat misled by the evident slip of the pencil in Dr. Gray's label with Lemmon's plant.

Mrs. Ames and Mrs. Austin have just sent me sets of specimens among which are a number of different species of Viola. Both send me unmistakable V. Shelteii with yellow flowers and smooth stigmas. Mrs. Ames also sends the No. 3 of this enclosure which I take to be the true V. Beckwithii. Please notice how exactly it tallies with the original description and figure in Pac. R.R. Surv. 2. p. 119 t. 1. The leaves are fleshy, decurrent on the petiole, the flowers are broad, nearly circular in outline, and while the upper petals are deep purple the lower are not "yellow with purple veins" (Bot. Cal.) but blue with yellow claws.

Now Nos. 1 and 2 seem to be the original of your description in Bot. Cal.: of V. Beckwithii. But it seems to me to differ considerably from the original description and plate. The leaves are more marked-ly bi-tri-ternate, more finely divided, less (if at all) fleshy, perhaps not at all decurrent on the petiole. The petals are longer, narrower, and the lower ones of a clear white so far as I can judge, with the true, yel-low claws & purple veins. The plant can certainly be distinguished from No. 3 as far as it can be seen and seems to me to be a marked variety

[illegible]

[illegible]

[illegible] do not
be returned with corrections. What
I called Andrewsiella plumea is M.
fruticosa as I now see by the [illegible]
vaccinium corymbosum Linn.
have no specimens of and therefore
said on of the smaller specimens of
Mrs. Austin's No. 84 & called her me
which is probably var. V. caesariense.

I do not see all I have of
her No. 62 as you mark the name
of Hemizonella Durandii as doubtful
Here I should be glad to have back
as I have no other specimen of this
species of Hemizonella.

Perhaps I had better send them

[illegible] can see [illegible] the comm[illegible]. He sent me a pretty little specimen of the new plant. As to the matter of the plate he proposes (I must learn that to you. If it is at all advisable to get one up (which could be done at my expense were the plant worth it,) would it not be as well to have a Solomon also in the original plate of which is imperfect and I believe difficult to procure also?

But don't cause out either any of my suggestion "unless" the plant is sufficiently interesting to warrant it as an aid to the science.

Please say to Watson (I forgot it when I last wrote to him) that I acquiesce entirely in his view about the Viola.

Yr truly

[illegible]

I have not a [illegible] and Mr. Bell has no [illegible] to Prof. Price. Can you [illegible] sent; - how expensive? And is the way him are a complete matter I should like to know about if convenient. No. 139 Lemmon 1874 is labelled Vaccinium oliginosum - but as Prof. Cal. does not give that as changing as yet) to the Cal. Flora, and it appears to agree pretty well with the description, I suppose it the V. occidentale. Say; and what is the name of this new closed fine Coll. this locality

Yrs

Wilmington & Western Rail Road Co.

Receiver's Office.

Wilmington, Del., Aug 3 1876

My Dear Dr. Gray

I have your letter and the plant, (three beautiful) for which please accept sincere thanks. Lobelia paludosa I never could find in Delaware though I have hunted much for it. It may get town up, or could Nuttall have got L. Cardyi and taken it for L. paludosa? Hardly likely though.

I have written to Engelmann about the proposed trips and hope he will join us, but think his best place to meet us is at Phila or Washington if he comes East to go immediately on this journey. Redfield wrote me about your plan of going via Harpers Ferry, but upon consideration and examination I think it will hardly work out right, on acc of the Shenandoah Valley R.R. not being finished to Staunton, leaving a gap of 26 miles staging between Harrisonburg & Staunton. I join (over) the schedules, which will show the difference in the routes.

Via Harpers Ferry		Via Fredericksville Charlottesville &c.	
Leave	Wash. (B. & O. R.R.) 8.10 A.M.		(B. & Potomac R.R.) 8.07 A.M.
Arrive	H. Ferry 10.20 "	arr.	Charlottesville 2.12 P.M.
Leave	" 10.35 "	leave	do 2.15 P.M.
Arrive	Harrisonburg 4.00 P.M. (H. Ferry to Harrisonb. 96 miles in 5½ hours)	arrive	White Sul. Sp. 10.00 P.M.

Thence to Staunton 26 miles, by stage; stay one night there, and leave next morning at $7.05 A.M. reaching W.S. Sps. 11 A.M.

You see the Harpers Ferry route would take much longer and be much more fatiguing.

Now after getting to the W.S. Springs there would be no trouble in getting across to the Red Sulphur Sps. or more directly by way of Salt Pond Mt. (Pamassia asarifolia, Saxifraga leucanthemifolia, &c. &c.; and a splendid view, from Mt. top easily accessible,) to New River White Sulph. Sp. (10 miles from the Mt.) where I first saw Pachystima, Or if better to take short journeys, from Red S. Sps to N.R. W.S. Sp. whence it is easy to make an excursion to the Salt Pond Mt. From N.R. W.S. Sp. it is a long and rough ride to E. Tenn. R.R. or perhaps there is water communication by way of New River. I have written to various parties to know about routes, distances, &c. Of course I suppose you are aware that the roads in the Mts. are apt to be very rough

2

Wilmington & Western Rail Road Co.

Receiver's Office.

Wilmington, Del. 187

and the inns, except a few at County towns, and at the Springs, are miserably poor and dirty. I imagine the easiest way to travel would be to hire a carriage for the time we need and then go independently of the stages, stop when, where and as long as we like but that we can determine on the spot.

As to time of starting, which of course depends a little on what we consider the starting point, we might arrange to spend Sunday the 20th at the W.S. Springs which would necessitate leaving Washington via Bordentown Saturday morning the 19th. I think I could manage that, though it is just possible I may have to go for our people now at Appleton who leave there the 17th. Still I can work it even then. But if the start be made the next week day or the 21st why can not you and Mrs. Gray spend Sunday with us? Mrs. Canby and I will be delighted to have you, and will try to insure you a quiet Sunday in spite of the children. As to hard work I dont care to

do much of that, or rather to add too much to the necessary hard travelling (in that region) by working hard at collecting. Still I shall take some paper, &c, along.

How will you get Mrs. Gray from Va. to the N.C. warm Springs? By the way I find that a railroad runs from Morristown on the E. Tenn. R.R. to within a few miles of the Springs; - a stage ride completes the journey. On the other side the R.R. is completed to "Old Fort" a few miles from Swannanoa Gap.

I don't think of any thing more to say about the journey now but will keep you posted as to anything I may hear.

Did Prof Asa Gray get any of Dr. Palmer's San Diego Cal. Plants? If not I propose to send him some of my duplicates. Please ask Mr. Watson if the list of those plants was sent to Mr. Bale. If not I will send the one he furnished me with his set.

Ever truly Yours
J. M. Canby

I might just add that as I ought to be back again early in Sept., as early a start as possible after the middle of the month suits me best - that is of course

Lexington Aug 5 1876

My Dear Mr. Redfield

I am delighted to hear that you are going with us on our Mountain journey.

I think very well indeed of Dr Gray's suggestion. I have never been up the "Valley of Virginia" but Harpers Ferry is as you know very picturesque and is besides a good botanical station. Nor have I been to the White Sulphur Springs - yet it would be pleasant to see it, even if botanical pursuits were not consulted. There are two excellent botanical localities, between that point and the E. Tenn. R.R.

In one tab. proc. Co. - one of the
higher elevations of that district with
a good road over and near the top
& that the splendid view therefrom is
easily accessible, and with a curiously
formed lake, near which grows Panax
trifolia & other rare plants; - and
near New River White Sulphur Springs, about
2 miles from the Mt. where grows Sedum Nevii
Diapensia Caroliniana, & other rare plants.
Without consulting a better map
than I have I cannot get at the
distance from the Springs across the
country to the R.R. but that can eas-
ily be found out hereafter. Thence
I suppose one route would be down
E. Tenn. R.R. to Wytheville and from
there as determined upon.

I should have said that the
rocks at the New River White are very
fine - worth some attention to

I can write no [illegible] hastily but
will try to see you before noon of
the 17th inst. which date I
expect to
leave
I can get off.

Very truly Yrs

C. P. Wilcox

Wilmington Nov. 6 1876

My Dear A. Gray I have
yours of 4th inst. Well - I am
driven to and dont see
how I can write anything
botanical now. This muck
is election and the winding
up of the Centennial; and after
that I must get ready my re-
port &c as "Receiver" for the
U.S. Court. This includes going
over the year, & see to be sure
that all is correct and will keep
me busy until about Dec 10th.
After that I may have some
leisure. But I do want to

the Plates. I am verdant
about such matters but you
will give me proper directions.

WHM

get Darlingtonia written up in order that Mrs. Austin may not lose the credit due her.

I think there is no need to send Sprague drawings. I shall be fully satisfied if you are; and I am fully satisfied to pay anything you think is right.

Canby should have the naming too. He is a good fellow and has paid me a great compliment and I am glad to have him gratified; and you don't mind, I feel sure, to be told how much I value your friendship.

Mr. Watson will show you my card in relation to Lonicera from Mrs. Ames, and Mentzelia hispida (hispidula mihi

be better I think from Arizona.

Ever truly Yours

J. M. Coulter

A letter from Chrisman just in he says of you that "out of botany" — you are "an unreliable man". Do you see what they think of you at Bythewood.

Lysimachia thyrsiflora California!

Mrs. Ames

Since writing above it seems to come to me mind that "Vinelan" is a Phila. engraver. If this be so and you wish me to attend to the engraving send along the drawings & I will see to getting

Wilmington Nov. 16th 1876

My Dear Mr. Gray

The drawings are
here all right and are beautifully
executed.

I hope to go to Phila. to-
morrow & will make inquiries in
regard to the matter.

If through, they can be as
well done in Boston, it strikes
me that is the place to have it
done. I will cheerfully bear the
expense.

You will have the Win-
dows estimated and can inform
me and I will report to you
after I find out about things
in Phila.

Thanking for Mr. [illegible]

[illegible] Dear [illegible].

Capt. [illegible] went South [illegible]
[illegible]. Ball asking him [illegible] plants
[illegible] the first week, but [illegible] do
[illegible] hear from him. I have now
ready to send the Palmer collection, and
about 400 species California plants,
[illegible] and in addition [illegible] Colorado species.

Yours truly
J. M. Bagley

X Also a good many Guadalupe Island plants.

which I threw & must thus [illegible]
[illegible] to "Wilson Bros". I should be
glad to have the copies you mention
but if you are at any expense in
connection with the printing or otherwise
let me know it.

Taking up a little reading during time
out of a lot yesterday I was glad to find
the leaves in transition on this little inch
high specimen from the Sarracenia to
the normal type; the early leaves having
the long linear entire appendage (D - a
later one the regular shape of the leaf
but the appendage thus (E) broad &
flat but almost truncate at base, & the
leaf with the appendage regularly divided
although the leaf was very young then (F -
the appendages have exaggerated & shown
better the shape.

Yours truly
Asa Gray

Cambridge Dec 15th 1877

My Dear Dr. Gray

Thanks for your
kindness in sending me the Talcott
labels and for the sheet of Hillman.
I read with great interest what you
says in regard to Elliott's Bot. When
I was about entering upon the study
of Botanical subjects and before I knew
anything of its literature I came across
five parts (if I mistake not) of the
"Sketches" among a lot of old rubbish
left in my father's house. Each part
had the name of the person taking them
(M. Brown - Moses Brown I have no
doubt - an old friend of my father's in Phila.)
written on the outside of the cover in front
of them and on the first page of the

other. I don't know how, however, as to the 4th of the work at that time as to the 3rd, but they contained all that was ever published. I'm not as to the facts. As to the first there can be no doubt that it ended at page 96 in the middle of the description of Ammodramus maritimus. I think the second part ended at page 200 from the name "M. Brown" being at the top of page 201 and from "internal evidence". As to the ending of the third & fourth parts I cannot say except that I have a suspicion that the latter ended either at page 384 or page 400.

Be that as it may my first parts came to an abrupt conclusion at page 496 near the end of the description of Vaccinium stamineum. You have more direct evidence as to most of this that may upset it but I give it for what it is worth. I showed my brother that while I think I distinctly remember four parts it is just possible that there may have been four - that the third ended at page 384 and the fourth (instead of 4th & 5th) at page 496. I can see no particular evidence on page 222 of my book of the second part ending there.

The other articles in Silliman were also very interesting.

Just as I was writing the above a letter came from Pary with additional labels - So, with many thanks, I return them for you to do as you may wish them. Pary confesses that he had fears that Palmer was ~~caught~~ "decimating" so much; that it would have been better to have "perhaps 19 sets with 12 or 15". I think the little flurry will be of advantage all around.

I have paid Brickard's bill. They sent me also the bill for mine -

courage to the extent of my ability. Yesterday being a holiday in Macclesfield came down here and it was a day of innocent amusement, to night is Astley and Holidays also and we spent the day in studying and composing.

I have had my desiderata of Mann's Catalogue printed for general distribution among the botanical fraternity in hopes of getting some of them by exchange or barter. No idea of this kind will of course accompany the copies sent to you and Watson, but only that you may know what is going on in our hemisphere. It will some time be time to get up a Botanical Catalogue of the whole United States. And by the way how comes on the new N.A. Flora? But I must stop this. With the warmest esteem and regard for both Mrs Gray & yourself, am yours faithfully Jno. Ball

[illegible]

[illegible] in the way of letters Botanical since that I had last had the pleasure of your return home and I hope pleasant and prosperous journey, until a day or two since the Am. Naturalist came to hand accounts of it by which I found you were at home again. Then I determined to write to you and am now really impelled by the receipt of your note & Catalogue and it's most acceptable enclosure, both of which have given me the greatest pleasure. The picture is excellent as to likenesses of the two. I have an engraving of Humboldt. [illegible]

[illegible]

are kind now. & the' he is excellent and we have to be well advised. "we may be sure that" &c. &c. &c. &c. with

I have had a great deal to write to you about - some California plant to cut about and some old matter to some - but I have not time now & do it and you have not time to be bothered or we will bait them down until you come this way which will be - when? Mrs. Carr & I will delighted to see you & and Mrs. may have at any and all time that you can make it convenient and we shall anticipate your visit, with the greatest pleasure. You will let us know when we may expect it. As to getting to Cambridge I want with you previously to consult the Herbarium some time during

the, inclosed is a list of which I have a means of ~~communicating~~ naming with certainty. I may at the Botanic Garden with Dr. all my and the aid of Mr. Carey. It is the said fullest of mother and give of everything for the sake of our Children. Otherwise in four years ha[illegible] to the old friends and old scenes in Ohio. I long for the day when we shall be able to resume our letters. By the way I must send as directed her specie upon you both, and the note which your note has excited of seeing you before long.

You have heard from Emerson and I need say nothing of him. I have had two letters from him. Fanny wrote me lately giving me knowledge of his doings on Mexico what I

Wilmington Nov. 18th 1877

My Dear Dr. Gray

I rarely write letters on Sunday but this must be an exception because it is your birthday and because I want to tell you how glad I am that you have had so many and such active and useful years and that your "eye is not dim" nor your "natural force abated". May you live in many, many years and live in them, making your last days your best days.

My wife and I are extremely pleased with the prospect of seeing you here in the latter part of January. She desires her kindest regards to you and Mrs. Gray and her special congratulations to you today. We shall have

[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]
[illegible] [illegible] [illegible] [illegible]

Wilmington Jan. 18th 1878

My Dear Dr. Gray,

We have heard nothing from you for a long time but Mrs. Canby and myself have been thinking a great deal about you and Mrs. Gray, and your promised visit "about the end of January". We have put the children through the croup and have taken leave of the colds lately so fashionable and so are now all ready to receive you: and are looking forward with great pleasure to the time of your visit. We hope this may be soon and that you are intending to make us a good one and not merely a call between trains. We want to have the Redfields down while you are here

I had a very pleasant interview with Dr. Bayden a little time since. He spoke enthusiastically of the western journey in your company. It did seem in a letter received yesterday from Alameda. I hope the storm of your wanderings will not be so old by the time you are here that you will not want to recount it more.

Mrs. Canby unites with me in kindest regards to yourself and Mrs. Evans and in the hope that we shall soon have the privilege of welcoming you here.

As ever yours sincerely

E. R. S. Canby

Irvington Nov 11 1

My Dear Dr. Gray

I wish to write a
letter to Miss Lyndon, at W. Au-
gustin about the rare Baptisia desir-
ing to get complete Specimens (and this
but trade had an end to me.) On
Friday last I went to Rhinebeck, &
as it was Specimen, Low it were then
and found none. Mr. Redfield was there
and told me the last one or two
about coming north and that he would
send me an address. He did so and
I have written to him asking him to send
it if possible or to get me in the
way of getting it if he was not in
to return to Rhinebeck soon and had some
more on hand. I have [illegible] nationally
named that [illegible] and in

written on a description [illegible]
with him on Talauts, [illegible]
thing. Yes on it with sample and
I have thought - do not you, just - how
to fix it up - which I think you
had better do soon as other notable
new the plant. If I get any visit I
will send it to you at once.

I enclose a Specimen of a vine
from Mrs Treen (San Isidro Manila)
~~sample~~ sample thought by you des-
cription of C. mayaniacum. But I
suppose this to be only a larger
Specimen of C. Vallalii which we
have you have taken out you were
sure, seem to run analogy.

Kew yours truly
J. G. Baker

I put in Miss Hayward, card to the
Redfords giving him address. Perhaps
I had better return it to him or Ran

I must send the enclosed [illegible]
for "Botanical Calendar" [illegible]
and also that I have taken on P.
writes them with the pea [illegible]
um. It is much more complete than
than I supposed it would be and better
got up in binding &c.

Yours [illegible]

Flowerfield, L.I. Aug 29th 1878

My dear Dr. Gray

I got back last Friday but have been much engaged since and so have done nothing with Baptisia. My trouble is that I can rarely get two hours straight work on any thing. But I can take notes and report. I enclose what I have written of B. calycosa.

I was a little surprized to hear you speak of some of the species as "shaky". I have no specimens of B. simplicifolia and B. nuttalliana. Of B. perfoliata, leucantha, tinctoria, sphaerocarpa, australis, leucantha, villosa & leucophaea I have pretty complete specimens; and of B. lanceolata microphylla (including stipulacea) leucantha & alba good flowering specimens. I will write to Chapman Curtiss and Mellichamp to get them to do for me what they can, and I can see all except B. nu-

acanthus in Phila Acad. though pinnate,
the joint may be lacking, the —. So far
as I have seen the stem seems to
be jointed unless it be R. stenanthus which
I don't know much of to speak about
though I suppose I once saw it in
flower at Aiken, S.C. and took it for
a long spikes or raceme from of R. tuestinus
There also I saw R. stipulacia and from
the meagre specimen of R. microphylla
in the Phila acad. I should suppose that
Watson was justified in uniting them.
Gravel's name is better than Wallace.

Please accept thanks, for slip
from Hillman journal & other parts,
of the same kind.

Ever Yours

Asa Gray

Wilmington June 10th 1878

My Dear Mr. Ives,

I have your card and also a note from Mr. Redfield enclosing Pendleton's letter to you. I shall get out No. 5th in due season. I suppose the value thereof to be $7.50 which I owned credit at once but that in a former letter Pendleton refused to some transactions between us (state unsettled) and a note of which may accompany the set. If there is nothing of the kind I will send the amt. I had a letter from him of the same date and know as yours. I am sorry for him but as you say it is his own fault. I wrote him a few days

telling him of an article I saw and recommending him to [illegible] the acquaintance of some person of sufficient influence to aid him if necessary – which his letter from Dr. J. Porter would make him to do easily. I wish he had more to go away on when he would have been well taken care of. But I suppose he was afraid of his health.

I find some difficulty in getting at specimens of certain Baptisias such as B. leucantha & others. Is the specimen of Nuttall's B. macrophylla in the Phila Acad. the only one in existence? If so it is hardly sufficient to found a species on and must make its identity with Rafinesque's B. stipulosa somewhat doubtful. If the same it is a pity that the latter name cannot be kept. Dr. Engelmann has a new species on the Sedalia territory which he calls B. simplicifolia, but he has sent no description.

Ever truly Yours
Asa Gray

Do you sympathize to make digestion [illegible] as adventive. Now it grows in my grounds, one in rocky woodland, & does not look like dying out.

cality.

Ever truly Yrs
W. M. Canby

Wilmington, Del. July 18 1870

My dear Dr. Gray

I was sorry when on my return from getting my family to the sea shore at "Rehoboth", Del. you misunderstood what I said about coming eastward. I did not expect to come until sometime in August in any event, and very likely will not get away from here then. If I go it will be to see my Aunt & sister in & Appleton, and I could at most stop only for a few hours. But I am sorry you have had any trouble about it.

Doubtless I can get lots of Nyssa pods after while. It is plentiful in some of our swamps.

Since I wrote you I have been to N. Carolina on business. This way at

Greenville when you remember me
came & take the R.R. after leaving
Caesars Head. And by the way from
Spartanburg a town just north of
Greenville they have now a R.R. run-
ning almost to Hendersonville! and
expect to have it finished to Asheville
soon. My time was limited but I
managed to get to Society Hill and
was lucky enough to get Baptisia
sphaerocarpa in fruit. I was strongly
impressed with the idea of it being
a hybrid between B. alba & B. tinctoria
and a letter from Chapman just re-
ceived incidentally "it is a hybrid". I now
back entirely B. simplicifolia and B.
sphaerocarpa. The former I can see in
Phila in flower & the latter in fl. & fruit;
B. calycosa I have no fruit of yet &
cannot hear from Miss Reynolds.
Engelmann has kindly sent me his Bulb.

× Now is my Hunt, Hunt a single Specimen of Berlandieri collecting wh. seems remarkable. It is numbered 2554 & is called B. sphaerocarpa but is very different

tinctoria among which is a specimen
of his B. sulphurea for you. Hanc-
mann has sent me seeds of B. stepu-
lacea wh. seem different from the
single one in Phila Acad. and which
are just like those of B. tinctoria. I
would be obliged now if you would get
what information you can for me
in regard to Nuttall's specimens in
the British Museum, (as you kindly of-
fered to) and any expense attending it
I shall be glad to repay.

Going to S. Carolina I passed
through by Weldon & over the
mill into Va, (i.e. at same place
on the R.R. in that State) Lespedeza
striata. It is still spreading rapidly.
On the other hand Avena compressa
has got into North Carolina.

I endose Myriophyllum alyantheum
& label - probably it must rank as

Illinois Feb 2nd 1

My dear Dr Gray

Your first no. =
I cannot let another moment go
without congratulating you on the
discovery of Yucca - the best
botanical news I have heard this
year at least. It really seems
better than a new of all other
new plants. I must join in and
do it shake and only hope it
may sometime beat my eyes on an
~~unexplored~~ American Specimen. Well
Surely none did expect to see it
and I envy in a friendly way the
lucky finder. We must let me
all about it when we meet. "Some
thirty yds" can be answered all
in a row.

Your ever loving
Wm Hincks

Always exciting the pen news of

now declare the French Academy,
which has been hailed by all our
National friends, with the greatest
delight.

Edinburgh Oct 26 1848

Dear Mr. Gray

You said in. When the time comes I think probable, he ready to go to Providence.

Thanks for Carex, list of Cuban plants.

By the enclosed you will see that Fendler is to be the object of Parker! I have written Hyam, (I do not know you correspondent of mine), that he would gain much more by the reputation he would make as the discoverer of the plant by the mere advertisement, it would gain him, than by such sums as botanists would be likely to pay, and that at any rate a specimen [illegible] is considered as probably the due of the person examining. But as he is a cullen of simples and a dealer

Thinks I have considers that he would not look upon the matter in the same light as a botanist and have therefore told him that some botanist might give him a small sum (a dollar or so) for his specimens. I hope I have not interfered with your way of dealing with him in any way (I declined to purchase myself) ; I was much disgusted at first with the idea that he should look upon such a thing in a spirit of trade, and especially that he should wear the specimens sent to you. But I imagine we have taken one of that! How are you now? Have you any this, that I do not that is the reason for

this.

Darling, Yrs

Jno. McCrae

[illegible]

[illegible] Hymns
not [illegible] [illegible] [illegible] [illegible] better part of next [illegible] than to
do Victoria in it's native haunts! [illegible]
Lovely Cowley is one, if I mistake not,
of Curtis old hunting grounds. What a
pity that he did not have the feather
in his cap. His name has served us
all should have had you and the
prize.

All I am glad I said nothing on
of the way to Hyams, and his one at
least is deserving of the credit and the
respect. But I suppose "that" in Botany, from an
simple, I don't like rain. I only wish
that the fifty most annual herbaria in
the world had each good specimens of
the plant "[illegible]-pratis-per-nothing". But

after all the main thing is that the
plant is re-discovered.

You remember hearing that when
I was last at Cambridge we had some
talk about the planning of the botanic
Rhododendrons. It will be early in May
at the very [illegible] then should be in
their prime.

Looking at the atlas since writing above
I see that we must all have been in
the same county as it adjoins Somerset
and Wiltshire but our travelling days
are over for the present. I think
I can see that Malham must have
formed part of the eastern side
of the Black Alp, perhaps very close
to the march. It is even possible that
the present beauty may be the original
one.

Yours truly
[illegible]

Triumph, In. 8 1874

Dear N. Gray

I return Hyam's correspondence and add his letter to me in order that you may have all; the latter please return at convenience.

I take it that his idea is principally to get all the money he can out of Stanton and as proof of that he has another specimen for the Rev.d Prof. I would not risk my specimen which you might be all success to them. It seems to me that his luck or his idea of it is not so much the discovery, as what he can make out of it; and his different stories may to some extent.

Let us hope at least

that we may see it grow and encourage that idea in him; and as he has promised to show it to us, and allow us a limited number of specimens we must not be satisfied. I hope now that it has been advertised some that others may stumble upon it. "In McDowell County 25 miles from the Black" narrows the district very much.

Thanks for information of your article I have sent and to Redfield and ordered the paper.

Always true,

W. M. Hardy

Johnson City Dec 1 1878

Dear Mr. Gray

Thanks for yr information in regard to the Ohio case. I would have been a great pleasure to me to have heard the argument of the counsel in the case, but as that was impossible it is a real satisfaction to know that so far as we are concerned the whole thing has been done, & how it can stand a decision either way with equanimity.

Thanks too for Mr. Ball's address. I must write him at once.

By Miss Reynolds influence I have received from a Miss Lloyd some pretty specimens of Appalachia calcarea, and although I have probably received the same I send I fear yr have only a couple of specimens. You will notice that

the calyx lobes are to escape after flowering and are often longer than the pod! so that it is almost hidden. in the leafy specimen I send you note that what looked as a raceme has ended as a leafy branch. In one of my specimens, this is now marked the leafy end of the raceme which is much branched. I suppose this may be owing to dry weather lately and at flowering time followed by wet ~~afterwards~~ this stimulation caused growth. but it is a very curious specie.

Another little plant Hyams make. Marion McDowell County the headquarters for grain after Charlotte. I am satisfied it grows within a short distance of that place.

Redfield & I have read your article in the Independent with much interest. I want to see it again in connection with Charlotte in Princeton Rev

Ever truly Yrs

A Gray

Baptisia calycosa

Root giant smooth except that the innermost leaflets, stipules, bracts and calyx lobes are sparsely ciliate with tiny white hairs; Stem and slender straight branches somewhat flaccid; stipules lanceolate acute persistent, 3-7 ribbed, ½ as long as the first petioled ones, the sessile leaflets oblanceolate or obovate, obtuse; racemes terminating the branches, long and loose, the long (1'-2') and slender pedicels subtended by ovate lanceolate persistent bracts and bibracteolate above the middle; calyx tube short, about ¼ the length of the lanceolate spatulate foliaceous lobes which are but little shorter than the yellow flowers. Legumes and base of stem not seen.

W.M.

Detroit

Feb. 4 1879

My Dear Dr. [illegible]

Since thanking you and Mrs. Gray for your very pleasant "Valentine" I have delighted in showing it to "the sisters and the cousins and the aunts" who have not seen it before think it excellent. It recalls the sheen ice hot and the crisp pleasant recollections of mountain woods nearer home and notes of future pleasures in the same region.

The specimens from Florida and California were very acceptable also, as desirable additions to my collection.

A week or so since Sereno sent me immense box full of all manner of botanical books which he had collected during the last summer. In the lot was

a small parcel [illegible] the [illegible]
[illegible] [illegible] [illegible] [illegible]
two numbered specimens of Solanum
which I would like Watson to name [illegible]
[illegible] Please thank him for me [illegible]
the specimens under his labels.

A letter from Mr. Ball says that
he is about sending me some 2000 Flies
of Moroccan & other Mediterranean plants.

Butler of Iowa who collected in Arkansas & Indiana Territory is going to Siskiyou
County California.

With kind regards and from Mrs.
Gray as well

Sincerely Yours

Jos. D. Hooker

Wilmington Ap. 14th 1879

Dear Dr. Engl,

Yours of 12th and the publication received for which my sincere thanks.

I send the article from Proced. Acad. Phila. wherein I mentioned the finding of the new Elephantopus. I called it E. tomentosus because just like a specimen from N. Carolina so called by Dr. Curtis, E. scaber, Vrs. I never cared satisfactorily make out as diffunct: but I took Curtis as authority. It is a very common species in damp pine woodland from the lower part of this State southward. "Oxford" I dont know. Sometime after I found it I took Bebb to Salisbury Md., when he got his ~~foto~~ specimens. Do you remember the plant growing at Warm Springs N.C.; or was this genuine E. tomentosus? I

have not time this morning to
do it critically. I have also a
specimen from "Santa Fe Lake" Mendocino
Co. Gillman & which I enclose a
head. I tried hard to make this E. scabra
but could not. This looks different from
both E. undulata and the Cuban E. tomentosa
of Wright, coll.. I have only to say
in addition that the Delaware & Maryland
"E. tomentosa" has been extensively dis-
tributed in this and other countries (Europe
Australia, Cape of Good Hope &c) under this
name.

We are likely to miss Austin as you
will see by Hyams note enclosed. But
please do not let him destroy Austin
as he proposes. What a shame it would
be. Write to him at once.

I have probably sent Redfield & Rothrock
tonight. Let me know as to progress
in Carpinteria and I will make notes of any-
thing that looks strong & recent. You have appe-
arance of the branching var: of Ceanothus from Collendale
Del. This holds pods often mam. Very truly Yrs T. H. Kearney

Wilmington N.C. 24th 1859

My Dear Dr. Gray,

I had noticed before your letter of 29th came how easy it would be to get from Lincolnton to the Western R.R. of North Carolina R.R. running past Marion to Old Fort at the summit of Swannanoa Gap; which R.R. must not be confounded with the Western R.R. of North Carolina a short line from Fayetteville, North westward. Newton is but about 15 miles in a direct line from Lincolnton and if twenty by the roads can probably be reached in a day.

As to getting off something will now depend I suppose upon the Ohio case. A note from Judge Bradley says that it is fixed for Monday May 2d. That might detain you a few days more or less. Mrs Cooley expects to leave for Ohio in about

[illegible] my dear Mary.
Our office has had a [illegible]
time with bad colds, & but is quite well
now and enjoying this heavenly weather.
I am sorry you could give me
a general idea of the points in the
S. W. Mts. which you desire to reach and
the time you propose spending there.
While my time may possibly be limited
I dont intend to [illegible] you about
this time. I want much to visit & study
the route, & the country up a little.
The Veronica came all right from
the Phila Acad in company with Parry's
Mex. Coll.. Many thanks to you for mak-
ing my specimens valuable by writing
and noting upon them. And for the
note on Elephantopus, also. The Florida
plant (Gillman) and one from Warm Spgs.
N.C. must be E. mollis; at the latter place
it was in company with E. carolinianus.
I am glad Hyam has returned

to Ga. Early
[illegible] a number
of specimens from the vicinity of
Griffin & Macon.

Ever truly Yrs
J. M. Canby

I notice Polidago specimens which
seem to connect P. stricta & P. neglecta
very closely.

hope will see the Occasion of the Mountains in their glory. As to the men ladies they can't but enjoy even this that comes to pass and anything they will see.

The advantage of going in this way would be that we start North and go northwards with the warmer weather.

If desirable there would be no great difficulty in going on to Asheville & thence to Waynesville and Webster. Either arrangement will suit me perfectly. (By the way I got a circular from Mr. Stumpf of the Mountain Lake House, Last Paid Mt., Va. Did You?) An excursion might be made to Mt. Pisgah & from there to Asheville by another route. But this perhaps would hardly pay; I see no other way of varying the route back from Webster to Morgantown.

It might be best as you say to make a new excursion from Morgantown to

Wilmington, N.C. Feb 21st 1881

My dear Dr. Gray,

I am delighted with your letter just received and much tickled with Cowles! He will be a good help to us but your plan is about the thing and very much what I had been thinking of.

One salient point, are clearly Lincolnton, Marion, the gorge of the Linville, and the Roan. Between these any excursions that we can easily make on the flanks or to the summits of the mountains, (such as Table Rock, Hawksbill &c.) and, after the Roan, anything northward in Va. at the Natural Bridge and the Salt Pond will make a very good wind up. I should propose that we do not hurry too much and make a point of resting on Sunday. But in this

and all other points I shall be guided by the desires of the party; and I think having mapped out the general plan we can arrange the minor points, as we go along. I have no particular desire at this time to go South and in fact on consideration would rather spend the time I may have in the mountains.

Newton seems to be some miles from the L.R. but we might count it 45 hours travelling continuously to get there from Boston. This could be divided up to suit Mr. Mays convenience. It will take at least two days to make the excursion to Lincolnton & back especially if we take different roads going & coming which I highly approve of. We had better count on time from Newton and call it three days to Marion. via Lincolnton Allowing a day for Hunting and say two more for Swannanoa Gap &c. you will have used up one week. Then it would hardly take you less than another to get to the Town by way of Tuckasegee and Dick Gap &c. if you choose. I would like to spend some time on the Town and go on horseback or afoot around the crest of the ridge to the Yellow Mts. &c. This would, we will say, make up three weeks and another could be well put in in getting to and visiting the Nantahala Mts. &c. if desired. Here is where it seems to me that Powles would be useful.

It will be most pleasant and just the thing to have your brother-in-law and your niece go along, and they ought to join us at least before we go up the Tuckasegee, which locality Miller, a good observer and voluminous traveller, declares to be the grandest east of the Rocky Mountains. By the map there is apparently a wagon road leading directly up it. But it must be well to think about having saddle horses also. I have not a doubt but that Mrs. Gray will get a good deal of night riding and if

the Linville Falls and go on to the Black
which is near 15 miles from Morganton &
then turn back to Linville and thence take
the road to North Cove and go from there direct
to Roan Mt. I make it about 25 miles from
North Cove to Bakersville. We could take an
early start and a long day to make it. But
we should go under the very shadow of
the Black Mts. (at least in the afternoon) & if the
weather was fine would doubtless have grand
scenery. Botanically I do not suppose the
Blue Ridge above the Grandfather to be
as interesting as the country just east of
the Black and that about the Roan and the
Linville. But I find the maps differ
in some respects and I do not suppose
we can decide the minor point until
on the ground.

Our May Rds. Guide will soon be out
and we can then talk about trains & time tables.

I did not mention the proposed time of starting. He, no doubt knows in due time. As to Mr. Redfield I know that he would like to go but is in doubt about the propriety of leaving so far away from home while Mrs. Redfield's mother remains in the condition she is in at present; and in addition to this thinks that Mr. Whitney needs recreation more than he does. I have not seen him very lately but will before long and will speak to him about his prospects.

I return Carlo's letter.

Ever truly
J. M. Coulter

My Warm Springs Elephantopus has the aspect of E. mudatus but is softly villous and with the scapose like that of E. Carolinianus which also grows in same locality.

the Western N.C. R.R. train (the only one) at the above home of S. A. Ball. Must the young ladies consider that a "nice rough time"? Or we could go on to Charlotte & from there to Lincolnton via Carolina Central. Either would be pretty hard unless we spent a day at Salisbury or Charlotte. What do you say as to the time of leaving this part of the country?

Mrs. Canby bears her remembrance. I expect to take her out and to get back Saturday. She will stay two months, at least in Ohio.

Very sincerely
Jno. H. Canby

I send Dall Pond Mss enclosed

Washington May 21st 1877

Dear Dr. Gray

I have your card and Mr. Watson's note in relation to the Calamagrostis of Pony Mexican coll., and as I have some other matters to communicate will answer both in this.

First in regard to the Mexican Collection. I have not looked through mine yet, but getting some names for the first hundred numbers and for the Cactaceae, the Coniferae, and, from Redfield, for the Ferns, I have gone over that many. I find that of the first hundred numbers I am missing entirely fourteen; of the Cactaceae about 40 per cent; of the Coniferae about 25 per cent; and of the Ferns about 4 per cent. Besides these are very many with but single specimens. If those I have seen are any criterion of the whole I

do not here that I have duplicates of more than 10 per cent of the whole collection. But it is possible that other part of the collection may be fuller. Although when I agreed to give Parry £200 it was with the full understanding that I was to have one fifth of the whole number of specimens (which I can hardly believe I have got) I do not wish to complain. But I do want to show you that I could not retain a reasonably full set myself and make up a really decently full set for any one else. I am very willing to part with what I can spare but under the circumstances do not care to sell them. If Dr. M as in return for this has any Japanese specimens to spare I would much prefer exchanging with him. I should say that my sets are not separated - all the specimens of a kind being placed together.

As a commentary to the above I enclose Mathindale's note; & Redfield says - after recusing Parry in respect to the Cactaceae &c. on acct of the difficulty of preserving specimens - "But I must confess that the examination of the ferns gave me some dissatisfaction. For I had respectfully stated my desire for a full representation in that order - x x x I find in my collection 24 species under 29 numbers and 14 more numbers not represented at all", &c

Now I specially desire to have no controversy with Parry and therefore request this to be confidential - and so I am done with it.

Today I had the great gratification to get two good specimens of Shortia - of course from Virginia. If it comes in no other way I destine one for the Phila Acad.

I enclose you Redfield's letter of May 2d one from Mr. Nilcox, and some N.O. Schedules. You will see that we should arrive at Salisbury at 10.47 P.M. in order to take

Wilmington May 9th 1879

My Dear Dr. Gray,

If you leave Boston June 2d at 9 A.M. you will reach Washington at 6.50 A.M. of June 3d; or if at 6 or 7 P.M. by Bound or Rail as the case may be you get to Washington at 5.20 P.M. of same date. Unless you wish to stop a day in Salisbury you must leave Washington at 6.50 A.M. or 7.00 A.M. according as you go via Richmond or Lynchburg, in either case reaching Salisbury at 10.57 P.M.. If you left Washington on the morning of June 4th you would get to Salisbury the same night and to Newton on June 5th with time enough then to make arrangements for the journey of the next day to Lincolnton. This would occupy the 6th and coming back the next day the 7th of the month which I believe falls on Saturday

You would either have to stay at Newton that night or go back to Statesville and spend Sunday with Ryans. Monday you'd get you would get to Marion and could come back to Morganton on the 10th if you went no farther towards Swannanoa Gap or Asheville. Now up to this time I suppose the mountain journey would have been hardly begun and no allowance is made for rainy days or other contingencies. I cannot but think that if you were to put it off for 5 or even 4 days longer that you would run serious risk of spoiling Mrs. Sargs pleasure which I take it is not to be thought of. But the two days at Lincolnton and one at Morganton Marion with Sunday intervening would give Dr. Sargent a chance to catch up though he would be too late for Brooklyn Dalbya. The season might make some difference and of this Ryans could tell us. Now, though rather cool for the season, the weather has been perfectly charming and we are in a gush of Spring loveliness. It would be better to be a little early for the Rhododendrons to than too late. Shinn has already sent me flowering specimens of Andromeda floribunda. My vote would be decidedly in favor of starting not later than the time you mention. For myself anytime after I get my family settled in the west will suit me perfectly.

My thanks for the photo Orthocarpus. Mrs. Bidwell seems to bid well to do well at Chico. This plant is a nice acquisition.

Here is a note to Wilcox from the man who is to help us at Morganton. He ought to know something about what we want.

Ever truly Yours,

J. G. Lemmon

Wilmington May 13th 1879

My Dear Dr. Gray,

We are all very sorry to hear of Mrs. Gray's sickness and sincerely hope that she may soon be about again – and then the mountain air will be a splendid tonic.

I think your later plans are perhaps those that will work best. If the main botany is done first the other part of the Missouri may be the better attended to. I have other letters from Millen and Mr. Humphreys at Morgantown; the latter says that there are no carriages at Morgantown but that horses and buggies can be hired and also saddle horses. It may be impossible to find transport for so large a party across the country and in that case we must stick to our lines of com

[illegible] the wilder parts of the mountains. But on the road we can turn about it readily. We don't have no objection to going on ahead if it would be more [illegible] to have you along, the [illegible] of the car could just as [illegible] and after making the necessary [illegible] to the various points near we could at least make a mark for Asheville when travelling accommodations can certainly be had.

But I think if possible (and you will let me know near the time) I will try to slip on at least as far as Providence when the Colony case is up and arrange; and then you can tell me about Darby which I know nothing of.

I have delayed my answer in order that I might see Kendrick and Lindsay which I did last evening at the Post. [illegible] at the head. (And by the way there was there, James looking and talking much better. They are willing that you should communicate with Parry as to prices in regard to the Mexican collection, in truth if he has such a "large order" it is quite plain to us that he has not carried out the spirit or words of his contract to each of us when the same was laid. I enclose that to me which please preserve; and I will tell you more about it when we meet. Is Palmer with you? I should judge so from your note. He is a collector with whom we all like to have dealings. What about that Englishman's Collection? I have heard only hints of it. Are sets for sale? If so I should like to have one.

Scattindale established at the Acadia

Wilmington July 5th 1879

My Dear Dr. Bray,

From our good Mr. Redfield I have just heard of your escape from the disaster on the E. Tennessee R.R. line. It must have been an awful scene and time for you and dear Mrs. Bray and a providential escape for which I am devoutly thankful. As you say Mrs. Bray is always calm and brave but I cannot help fearing that so shocking an incident might have some effect upon her health though I sincerely hope not, but I shall be glad to hear from you about it.

I returned from Ohio a few days since – found all well. My wife specially desired me to send her regards to you both and congratulations to

on the steps.

Ever faithfully yours

Wm M. Lamb

...as. Sorry that the Leaves was so much
reduced as to unable her to undertake
the journey.

Doubtless you have something
else to be endorsed. I suppose no appeal
was made and indeed I hope not;
for I think we have fully done our duty
and that there could be no advantage
in carrying the case on further. I should
like however to know your views.

The Cardamine with auricled or stipular
petioles resembles in this respect C. hirsuta
(see Hooker's British Flora) C. Chelidonia L.,
C. resedifolia L., & C. Impatiens W. among any
foreign specimens; but is I suppose quite
distinct from any of these and certainly
from all our native species that I know.
But here is an extract from Redfield; note
that quite "stems" me. "There can be little
doubt that the Cardamine is the very plant
on which Michaux founded his rotundifolia.
In the 3d vol. of Hooker's Bot. Misc. is a good
figure & description of what passed
for it, which is evidently a reduced
form of an auricled Europ. species."
But the description in Michaux refers
exclusively to what we know as C.
rotundifolia and in no particular agrees
with the Rose Mt. plant. But he may
have "mixed those children up" in his
herbarium. So that if C. Clematitis, Pursh.
is one plant that will probably be the name.

The Viola from Eagle Cliff I
make out to be only V. hirsuta; and the
Saxifraga is apparently all S. Caroliniana
which I had before and I am done with spot-
ted petals a character which Chapman as-
cribes to both it & S. Caroliniana which latter I
have seen dem but suppose is distin-
guished from the other only by the clavate
filaments - perhaps as you suggested hardly a
sufficient character to keep them separate.

Some other matters will keep.

Kindest remembrances to Mrs. Gray and
to the other members of the expedition when

Princeton [illegible] 1[illegible]

My dear Dr. Gray,

I am sorry I did not write to you or the trouble you have taken to give me an account of your wanderings. I read it with great pleasure and sent it on to Ohio that my wife might have the same enjoyment.

I send on the Sarracenia - the best specimens I have, and shall be glad to send anything else that occurs to my mind - and to receive the Aconitum and a specimen of Cardinella for locality - I put a bit of it a few years since at Raffin W. Va. - and please send for it the specimen of Clusia you promised me which will supplement my rather poor one. A card written today will tell you that I receive the labels, & want to pay my share.

[illegible] to [illegible] on
[illegible] [illegible] [illegible] [illegible] [illegible] [illegible].
[illegible] is [illegible] [illegible], my [illegible]
[illegible] cannot [illegible]. Among his [illegible],
as Crosby said, it will be "[illegible]
[illegible]" and I will [illegible] Mr. Vos-
[illegible] when I see him. By the way
I am glad that Crosby turned out to
be [illegible] a "Bright Cat" and that he made
[illegible] journey so pleasant.

Yours sincerely Yours

W. H. C. Coats

I can hardly get the [illegible] [illegible]
begun tomorrow morning. Notwithstanding
Darlington's sending the wrong plant & Borbas
the true Cardamine [illegible] [illegible] and
[illegible] Chester, near here, at Artarmon [illegible]
[illegible] B. Vaa, &c.

Wilmington July 15th 1879

My Dear Dr. Gray

I have your of 14th and am glad to hear of your welfare, but sorry (though daughter) to hear of Mr. Loring's indisposition which the former charges to the reception of my verses!

Do hurry Watson about the plants and keep all of the S. Carey and if you want - I have plenty.

A note from Bynum this morning with a lot of trash to name.

Yes, sometimes I should like to see Bunky and our delightful travelling companions. You must give my regards to them when you see them.

I expect my family home week after next and wish it was tomorrow.

I took a start of glueing down

after I got home and got unde
all the North Carolina things put
away. Since then have had handle
time to eat or sleep and do in
much haste am, with kindest
regards to Mrs. Gray,

Yours faithfully,

D. P. H. Daly.

the same as that collected on rocks at New Kanawha White Sulphur Sps. three years ago which like this was perennial and which you called Arabis lyrata except that being perennial it rather corresponded with A. petraea, Lam.? Comparing the two I can see no difference in any respect except that the radical leaves as less lyrata in your specimen and the reverse of the values of the siliques observed though this seems to vary somewhat in both plants. I cannot make out the values as being elastic though they may be. May not Michaux's plant after all be only a form of Arabis lyrata or A. petraea?

Is Draba Americana P.a P. Coll. 39 3/2 or 5 9 8/2? You can answer perhaps that Redfield has divided the Dr. Pabum Coll. sent to him, better himself. Most truly & sincerely yours A. Gray.

Cambridge Dec 18, 79

My dear Dr. Gray

Your note and the package of plants have come and been examined; and for both receive my sincere thanks. The Saxifraga and Aconitum have been very desired and with all the rest are duly appreciated.

I don't feel as if I wanted you to send me all your duplicate completion of the P. P. Mex. plants. What I more specially desire is to have as full a collection as possible so far as one set is concerned. I would therefore propose if it meets your views that when you can do so conveniently you should supply my deficiencies (as the present package does to some extent) and let your duplicates and mine go "when they will do the most good" for both of us in the way

as changes or otherwise, as this is I send herewith a list of my desiderata - the same numbers, and as I cannot tell when the "any" numbers may come in, I make a list of such as I have of these - those not mentioned in the list being thrown into my desiderata.

As you will see the regular numbers of the F.P. Composition are quite full in my set - perhaps less than a dozen missing.

In exchanging my duplicates I should like as far as possible to have plants from districts least represented in my Herb. viz. Asia East of Lycia, the Caucasus, &c. and South of Siberia, Africa north of Mascarene district, South America and above all from it the affinities of its flora with that of our Eastern one, Japan. Pretty nearly the whole world except N. Am., & Europe after all! and a pretty wide field to choose from. I mention this but do not intend it to interfere with your interests in any way.

I have sent Redfield his plants and have written him that he must write an age of 1 or 2 in my way as you suggest. I think it would be interesting to Botanists generally.

I am particularly delighted that Nyssa M. plant is Sassafras Carolinian and although I have little right to an opinion I do not take to the idea of ~~Linnaeus~~ there being an Dimorphous species, either two species or one and its variety. The Aconitum and Lily are also most desirable.

Now as to Cardamine Hallii Gray. Your plant seems to agree pretty well with the description in Medians but is it a Cardamine? and in D.C. Prod. is a somewhat more detailed description taken apparently from the original specimen which gives the stigma as sessile which is not the case in your plant - see Torr. & Gray also. But is not your plant just

Wellington Aug 11th 1879

My Dear Dr. Gray

The parcel came to hand and a rich one it was for me; giving me many new things and a good lot for Chrysanthemum of New Zealand. Many thanks for your kindness! I have put a good many of those, of which I already have specimens into my Herb. for the sake of the names.

I have been so much bothered with the Euphasia and have so little chance of seeing authentic specimens that I can hardly say what "holds" and what does not until I know what to hold on to. E. scabridum Edg. I have not positively seen but supposed that a specimen that I have from Mellichamp was that plant. It has the long acuminate involucral scales of E. albrum, but not so acuminate clear resinous dotted (not black)

with three to five flowered racemes smaller than in E. album leaves small. I have only two upper ones ovate, closely and deeply but rather obtusely serrate all the upper ones alternate. The plant rather scabrous than pubescent & and thus differing from E. album. But I have not distinguished two forms of our E album, (as I called) I accept the differences in the ovary in respect to the black dot, on one plant and not on the other and perhaps a slight difference in the pubescence; but these hold on all the specimens that I have seen.

While on this genus I want again to say that I have never found what is universally considered by our botanists as E. pubescens, Muhl. the same than 3 flowered, as in E. rotundifolium L., and if we really have it then are all gradations between the two. Muhlenbergs own specimens are fine flowered as I know from an examination. De Candolle notes the "3 to 5 flowered" Boston specimens but gives the genuine plant as "1 flowered". So far as our specimens about here are concerned I cannot help thinking that all belong to one polymorphous leaved species.

I should have said that the variety of the Bluffton plant I have spoken of is full and large and different in appearance from both E. album and E. teniciphyllum.

Leggett has written & Redfield for an acc of the N. C. trip and he will get up an article for him.

Sprain is coming to see me in a few days. His specimens are Friday carries and S. Curtisii pretty closely together.

When upon Liatris do not forget Curtisii L. squarrosa, mud.

Of course I shall always be glad to send on anything that I have that you may need.

Very sincerely Yours Asa Gray

Wilmington Sept. 30 1879

Dear Dr. Gray

A couple of weeks or more since I got a letter from Cheeseman (New Zealand) announcing the sending of a lot of plants to me. I read his letter hastily & did not notice a note of a small package for you. Two or three days since the box came and as I was poisoning at the time I took the bundles out and poisoned right through in the order in which they came to hand. Afterwards struck with there being so many duplications in the last bundle I examined it and found your address on the cover and now forward it by express. I believe I have not "mixed those children up" but have sent you just as

they came; but I never thank by an
unfortunate I laid violent hands upon
one property on — temple I now re-
pent it. You must be merciful and
bear in remembrance that I have sinned
in the beginning!

I am quite taken with Audubon's
specimens and with the New Zealand
Flora.

All well with no chance to be happy

Yours sincerely

J. D. Hooker

Wilmington Oct. 6th 1879

Dear Dr. Gray

Yours of 2nd inst. received.
I paid $9.50 on the N. Zealand
box of which I suppose about $2.50
would be the proportion for your pack-
age as to size. Shall charge pearfully
on the U. P. R.R.

Thanks for promised reading
of which I shall give Darby to
Chairman whose specimens are lovely
and what odd things they turn them—
Veronica bushes & the like.

I enclose Parry's letter to show him
swimming by me am getting on now.

Here is also a payment just received
from Mellichamp who says of it. "This
plant ---- is becoming the pest of the
rice fields; it comes up as one told
me like "ants", and if it once gets above

the water it is extremely difficult
* destroy it."

I take it to be a Melochia but the species I am uncertain about.

Thanks too for late no. of "botanical contributions" — but you still persist in calling Seaford "Oxford" in the description of Elephantopus ~~tomentosus~~ nudatus.

When you write again please remember me to Mr. Ravenel and the rest of Mr. Ravenel and the young ladies: and my regards to all.

See what a thing it is to carry farm with the ladies. Mrs. Byrnes is going to send me a "mica ornamental"! Think of that and envy me — but perhaps you are going to get one too.

Ever truly
J. M. Canby

Elmira Oct. 22 '79

My dear Dr. Gray

Your note came today
yesterday and have come to Elmira.
I went to consult with McClintock
who was - I found - authorized to act
for Redfield as well as himself.

The arrangement we desire to
make in relation to the Palmer
collection is as follows. We would
prefer all the collections to go to Cam-
bridge and to be arranged in suitable
sets by you. Then set No 1 which
would be a complete one in any e-
vent would be yours for the trouble &c.
But we should request to have sets
Nos 2, 3, & 4 as we desire to have
as full a collection as possible and
are - to tell the truth - tired of so many
missing numbers. In consideration

one done too. Only stalks in an Um-
bel & was then perfectly green

a this one will advance on our $50.
for $50. & agree at once - or some
such if - think best. & the
remainder of the set can be dis-
posed of as may seem best & for
& Dr. P. This as I said we would
expect. But if a some satisfactory
arrangement can be made by an
payment for the whole thing - or perhaps
to put it better agreeing to pay him
a certain sum say $1000. - or less -
or more as may be agreed upon
taking into view the probable sales
and time - we have no objection
to that. But in this case we should
expect all the callendrins to come
to Phila & be disposed of as far
as may decide upon & that this
is and just set them back to
you as in the other case* - and the
gentleman mentioned in your note should
also be supplied with good sets at

* with the exception of the canvas

same as ours.

Please remember that we
want the first - but would accept
the second if that is unpurchasable.

I have not yet written to Palmer
but would be glad to have your views
frankly - first; and when you have
on the general plans please let us
know what you think about a proper
compensation in the second case.

I don't suppose that we
should set much store by the Texas
plants already in but then can
go in in ~~both cases~~, either case

Very truly, Thos. M. Canby

I have got a good woman at work
who does surprisingly well at planing
down. The second day's work she did
she finished 96 sheets and they were

Wilmington Oct. 25th 1879

My Dear Dr. Gray

I shall be glad to try a quart can of that glue and when you have it sent get them to send also particulars as to way of using, price in quantity as well as for the quart, when to send to for it, &c.&c.; and much oblige you although I have just laid in 25 lbs best Irish glue which I got at 18 cts per lb. A pound of this will last three days and do 300 sheets.

I understand now that all Palmer's collections are to go to Cambridge and that we there have are to have sets Nos 2,304 - you getting Set No. 1. and that we are to remit $30. + cost each to Palmer - the ultimate cost

of the [illegible] determined [illegible] as to
[illegible] their extent and value.

Perhaps on the whole we had [illegible]
better remit to you & let you send
the notes down on to Dr. P. Let me know
as to this. I will write to Dr. P. at once in
regard to this determination.

Do you [illegible] thinking I am
accep the water but I suppose it
will not be until next summer and
we shall know more about it before
then. I should suppose that by the
time you had got fairly into Aster
and Dahlias you would feel like
going anywhere when they did not
grow!

Truly Yours, J. H. (Early).

Wash. Dec. Oct. 27 - 1 9 [illegible]

Since writing my note I have [illegible]
note from Redfield in which he suggests
that if plants of Palmini perhaps called
in an unusual as well as hard for at
Kew they should locate at No. 2. to
this I cordially concur

Hall

7 AM

Fleming — Dec. 31st 1914

Dear Dr. Gray

Many thanks for the glue which arrives safely. I have not yet had time to try it but will soon & report.

I enclose draft to order of Mr. Watson for £50. # advance payment to Dr. Parnell; & have written Redfield & Martindale to do the same.

Greenland plants I need much — have scarcely any: of Scandinavian am much better supplied but should be glad of specimens with accompany authoritative labels.

About the Irish glue — it is simply a better quality of hand glue. A pound at 18 cts would not do over 300 sheets — while a quart of glue would do 1000 at a

cost of $60 ct. At this rate you may count be the cheapest as well as most convenient. We shall probably need considerable in and around Phila.

Kindly Yrs,

Wm. M. Lantz

Canby

Wilmington March 16 1880.

My Dear Dr. Gray,

Your note of Land and the books also. I have sent word to Commons to send in for his copy.

I enclose the amount due for both ($12.50) and desire to express my sincere thanks for the aid in them given us.

We missed you much at the Am. Phil. Society's dinner last evening. Your toast was received with much approval and much regret was expressed that you could not be present. It was a pleasant affair and handsomely gotten up. The botanical fraternity were thinly represented — only Porter, Dr. Brewer and

myself present.

I send a paper the editorial of which may be interesting.

Very Truly Yrs

Wm M. Lamb

P. S. Am until tomorrow Johnson Co 49!

Wilmington Ap. 10th 1880

Dear Dr. Gray

I have had your note for a day or two and this afternoon the package of plants came along in first rate order. As you say, the specimens are really very fine, great care having been evidently taken to make them so and in addition the species are unusually completely represented. I am already obliged to you for them and value them very highly. The many duplicates will go where they will be appreciated.

I shall be very glad to do anything that I can to serve you and the Bot. Gard. St. Petersburg at the same time. For two or three

You may have had full information about it long since.

I saw Sargent a week since on his way to North Carolina and was very sorry that duties have prevented me from joining him.

Sincerely Yours

Wm. M. Canby

I congratulate myself and pity you that you are deep in Aster. It is a long way to the bottom of that genus.

I shall send about 1200 specimens laid out for Mr. Sherman and shall add some 4-500 more - and hope to send all off in a couple of weeks.

month yet I shall be very busy putting my specimens in order for the planing down. By that time I shall, I hope, have finished my American collection. After that I shall take things a little more easily, arranging the plants from other countries at such times as may suit me and always making them fine way, if domestic specimens come in, or if I want to make up collections for others. Now at that time I could well put out a large collection of our plants, other than those you mention as having been purchased by the St Petersburg Bot. Gard. But I should suppose them pretty well supplied with our plants ranging from North Carolina to the Mississippi and Northward & Canada. If not I should be glad to buy out such nice specimens as I might have now or could hereafter procure. Please let me know if this meets your views.

There was a pleasant little company at Macbindale's on Thursday evening - Parry, Redfield, &c.

Thanks for your good wishes. We are all well and glad to hear that you are the same. But we are a good deal heartsick about our little boy who does not improve and I fear never will - and much saddened by the death of an aunt of Mrs. Canby's who has been all that a mother could have been to her since she was six years old.

I sent Mr. Loring a [illegible] some time since containing an account of a proposed new road between Phila & Bucks, knowing that you and Mr. Loring had been interested in the present one. The matter has taken such definite shape that I have sold the little stock I held in the Phila. Wil. Balt. RR. But

Washington Dec 11 1

My Dear Dr. Gray

I have sent
you by express a package con-
taining some 300 species for the
St. Petersburg Bot. Garden. For some
reason my specimens have not
kept as bright as they should have
done and I do not feel satisfied
with them at all. But you must
be able to get some that will be
worth the sending and if I can
thus in part repay you many
favors I shall be much pleased.

After the delightful and
somewhat exciting week at Boston
and the night travel homewards
I was very much fatigued; then with
an accumulation of business with re-

ever may not arrive earlier to thank you and Mrs. Lowe for your kindness which contributed so much to my pleasure from you just reaching to the final moment with the kind friends who live always in the lovely shores of the harbor of Santa Barbara. I think of it all continually with the greatest delight.

I have a letter from Lemmon giving some account of his collections in S. E. California. On Walton's Ranch at the headwaters of the Mokelumne river he came upon "acres" of Nama Parryi Silene Parryi Ceanothus and Garrya. He sent me nice specimens and seeds of the latter.

With kindest regards to all at Cambridge and Ridgely

Yours truly

J. G. Lemmon

Wilmington July 19th 1880

My Dear Dr. Gray,

I have received the parcel and selected from it such plants as I need and have packed the remainder & send to Phila. I am truly obliged for them as nearly all were new to me and if somewhat rough they get well represented the species.

We are all as well as usual & rejoicing that we are over the "hot spell" and can enjoy the present lovely weather. Thanks for your invitation in respect to the Am. Association. I shall probably be unable to get away from home this summer and it will be best therefore for me to decline - though it is always hard to decline anything connected

with Boston or Cambridge.

Has Scudder told you his make story and given in his experience in the matter of having been dunned? If not I must send you his letter. I suppose his new sets of forms & may have reached you. He tells me "to 5" is for one and desires me to accept it as a present. He ought not to do this but I must respect his feelings - but if there is anything that I can do for him that you can suggest I shall be glad.

What has become of Vol II Botany of Cal? - and Mr. Watson?

My wife joins me in kindest regards to you & yours.

Ever truly yours

Wilmington July 26th 1850

My Dear Dr. Gray,

Your card received. I will write to Eaton as you suggest. I hardly expect to be able to get away from home this summer nor to attend the association meeting at Boston. But if I can, even for a day or two, I will arrange to be on hand on the 28th day. or that I may attend the reception at the Botanic Garden which I see is set down for that day, and there see you and Mrs. Gray once more before you go abroad.

This would be a great satisfaction: but as I cannot say that I can come to you for "a day or two" with any degree of certainty, I must,

while thanking you for your kind offer, or for declining as to leave you free to count upon my room rather than my company if circumstances should make it desirable for you to do so.

With kindest regards to Mrs. Gray -

Yours sincerely

Wm. M. Canby

botanical advices from Cambridge and other points. I know of but little interesting except what comes through the various papers. Of course you have heard of old Dr. Meade's death and new Prof Allen Nord is also gone. as an offset to this may be put Lemmon's marriage. E. L. Keene is cursing lustily over Porter and myself in connection with his "Feudlera" Athenæus - Watson Whipple. He tried to convince him that Watson was right. Now he sends us your decision the other way. His collections this year are admirable. I know a letter from Dr. Palmer who says that he has a collection as large as the P.R. Mexican one and that he will soon be off again for Mexico. G. R. Vasey sends a good Californian collection but nothing new I believe. I thought that the enclosed scraps belonged to a new species of Poranea but Mr. Watson says that

Wilmington Jan. 21st 1881

My Dear Dr. Gray,

The most welcome New Years call at our house this year was made by you through your letter of Dec. 12th. I sent it on to Redfield at once and he has doubtless responded long ere this. For my own delay I will make only the excuse that I have been, since the beginning of the year, a member of the third house of the Delaware Legislature - a lobbyist in fact! Will you ever have anything to do with me again? Especially when I tell you that I am ungratefully doing all I can to injure your Phila. Wilm. & Balt. R.R. investment by securing some legislation relating to a new line of railway between Philadelphia and Baltimore. While on this subject I may as well say that through

Delaware or West and North of it this road will go. Back of it are some of the heaviest capitalists of this county and I am satisfied that within a year it will be in running order. Doubtless Mr. Loring knows all about this.

But to come back to the pleasant record of your wanderings. We all enjoyed your account extremely and can well understand that you must feel as if you had lived a year in three months; and it is a matter of special rejoicing that you have returned from your delightful tour with renewed health and strength and are ready for "fresh fields and pastures new". We had some account of you from a note kindly sent by Miss Katherine Loring and from your note to Mr. Redfield; but your letter gave us a far better idea of what you had been passing through in the way of social pleasure as well as of your travels among the Chateaux and Cathedrals of Blois and Orleans and of your visions of "Castles in Spain" in reality and not in imagination.

Now, I have no doubt, you have got that Hydra-headed old rascal Aster "polished off" and may be turning your attention to getting Solidago straightened out for which we shall be duly thankful. Much satisfaction may you have in conquering these tough old fellows and others almost as bad. Though I can enjoy botanical pleasures but rarely now, I shall have almost as much gratification as you self in the feeling that we shall henceforth have but little trouble among our Compositae. Last summer, Bluehearing got some puzzling forms of Solidago Cutleri or of some other species on the Rowe, when he made a good collection.

I suppose that you get regular

Jan 24 '81

it is only a form of P. macrostachya. Mr. Rugel has carried off the palm for new species and rare plants and is much elated by his success. It will please you and Mrs Gray to know that our good friend Redfield and his family were all well at last accounts.

I had a few weeks since a very kind letter from Dr. Warming who wants some Podostemon. He appears to be very much pleased with that which he received through you.

Now I must close rather hastily for I have been interrupted and in a half hour will be off again for a week. I am happy to say that we are all as well as usual. Mrs. L. cordially joins me in love to you and Mrs. Gray. We hope that this year may be the happiest of your lives and that you may, in due time,

return to tell us so. And so Goodbye,

Sincerely and cordially Yours,

J. M. Manly

If you should come across any one who is soft enough in head and brain to desire specimens of our flora for those of China & Japan please inform him that I am the very one to take advantage of his condition.

Wilmington Jan 29 1881

Dear Mr. Watson,

I do not remember to have received the Cypripedium pubescens (and especially not the roots) from Miss Austin. Probably she has sent them to some one else. I will keep a sharp lookout however and if I find any dried among any specimens, I will send them to you.

I have a faint remembrance of an orchid in print having been sent me some time since from Col. a two leaved plant looking a little like C. acaule but with several flowers. It is laid away somewhere for future examination and will turn up some day

Your route was made the day

before I left home for the Mt. of N. Carolina and I did not get it until yesterday. I send herewith a part of Asplenium Bradleyi, which, on our last journey, St. Leon said was common at the garden.

I did not get much, my principal find, being the above, Schweinitzia in fruit, and the rare Sarracenia Catesbiana. Speaking of these or of anything else I may have you are welcome to if desired.

Yours truly,

H. H. Rankin

Wilmington May 18th 1881

Messrs Watson & Co

Dear Sirs,

I must confess that I was a good deal "taken aback" by the contents of your note of the 14th inst. After the disappointment in relation to the Pony & Palmer Collection, the present one was supposed to be so arranged that there could be no disappointment or trouble. I have seen Mr. Redfield who is willing to do anything reasonable to accommodate Kerr. Mr. Merriman I have not seen. If Kerr is to be "put up head" I cannot see why the whole Series should not have been put down one print instead of transferring one from top to bottom. I dont feel that I ought to ask Mr.

Redfield to make such a sacrifice as
this act is mainly for the Phila Acad.,
nor Mr. Mansfield dale who is a gentle-
man and more respectable man than I
am. Nor do I wish to be placed
in the position of disobliging Kew
and Cambridge or of taking act No.
10. I therefore wish you to consider
me as out of the list altogether.
This will enable you to gratify Mr.
Remsen by sending a full set to
Kew. Please consider this as final
and thus do me a real kindness
by aiding me to forget the whole
affair. It is my last transaction
in this line. If Dr. Palmer is willing
I would be pleased to have him
return me the $50.00 advanced me
on of the set.

Yours truly Wm. M. Mansfield

please return when convenient) you can do as you think best in the matter with the certain feeling that I shall be entirely satisfied to have you accept my first proposition or letter of Redfield. And I will further add that I have the most perfect confidence in your right intentions.

It is proper to say that Macdonald has gone to Washington and only sends a card to say that he will agree to whatever is decided upon by Redfield and me.

With a "current of good feeling" and action in which there is no "eddy" about me I am

Yours sincerely

[signature]

I ought to say further that if my first proposition is accepted I am that I ought to hold Dr. Palmer to no loss on account of my renunciation. If the last set is disposed of at a loss I must make it up.

Wilmington May 20th 1881

My Dear Sir,

Yours of yesterday is at hand. While I sincerely wish that I had nothing further to write in the matter of the Palmer plants I believe that I may have done you injustice in thought and in writing the last note to you. I did it on the supposition that you knew all the facts in the case which I now believe you did not. Very recently they are these; that after the Pamy trouble (in which Dr. Palmer had no hand) Redfield, Macdonald & myself, in order that we might be secure in our sets of the proposed new collection arranged with Dr. P. that we should advance him once money and at the end pay him any proper sum for

the whole collection, we to take out such as we wanted and sell or otherwise dispose of the rest as we might choose. We concluded afterwards, (I think at Dr. Gray's suggestion) to let the whole thing go to Cambridge as several applications had already been made there for the ~~new~~ proposed ~~of~~ collection but with the proper understanding, which, in view of the then late fiasco was made very strong, that while we were quite willing that Cambridge should have the first set, Nos. 2, 3 & 4 should without fail come to us. Now if we had been named down "on notch" as Redfield says in order to let them come in I don't think that there would have been any objection. But to humble one of us down to the foot of the ladder was, I must still think, an extraordinary proposition.

On the other hand I note what you say about my correspondence with Dr. Goddale. That being you motive for writing, you should have mentioned it as an inducement or excuse; for you could hardly suppose that I should know that you and he were familiar with each other's botanical correspondence. I am perfectly willing to admit however that knowing it as I do now, I can see how your mind might be affected by the idea of my not wanting to spend as much money in this way as formerly; and you will as readily admit that people may have their own views as to direction of their retrenchment. As a matter of fact the flora of the regions adjacent to our Mexican border is much more interesting and instructive to me than that of the West Indies; in which two I am well supplied already through B. Major, Trelease & others.

Now you have the case before you; and with Redfield's letter* enclosed (which

* receive just before your last came.

Wilmington May 21st 1881

Dear Mr. Watson,

I see by yours, enclosing one to Mr Redfield, that I have misunderstood you, have written in a way that has caused you harsh [illegible] you and I fear I have hurt the just sensitiveness of an honorable man. I took your proposition in a different light from what you intended and you have thought that I meant more than I did. I do feel most truly sorry that I have pained you if such be the case and I desire to make my apology thereof and to say that I am sincerely sorry that I was so hasty in writing as I did. Let us think no more about it. I had in what I wrote.

rather lose every specimen I have or might have than to have you think me unjust to you or that I thought you capable of any wrong doing.

I write forward your letter to Mr. Redfield and I am sure that you will be satisfied with his reply; and as I write hastily in order that this may go by tonights mail, I will only add that any arrangement whatever that you may make in relation to the sets (in the light of what I now see to be the situation) will be perfectly satisfactory to me - that is whether to send the sets as originally intended or to take either my proposition or Mr. Redfield's & give up the sets.

I will only add, as a further explanation, that in all that has occurred I have hitherto supposed that Dr. Palmer was with you.

Very sincerely Yours W. M. Canby

Wilmington July 18th 1881

Dear Mr. Watson,

Since I wrote you last I have come across the Lysimachia sent me by Mr. Austin and of which I certainly never had not. I send one it - there is but one specimen - but that you seemed to know it well enough in a dried state, and my plant is pur enough. In appearance it somewhat resembles L. ovalis but it has had three smaller flowers. Leaves two nearly opposite about the size of those of this ~~plant~~ species but apparently thinner + with plainer cross veins. The upper flower has entirely withered and the pod is forming; the other two appear to have been prematurely withered and it is difficult to make out the structure. Plant about 7 to 8 inches high, the leaves about two inches below the spike of flowers. If after this description you wish to see it I will send it on;

but from this I can probably tell whether it is identical with your plant. If possible I should be glad to have your name for it.

I wish also to direct your attention to what seems to me to be a new Bromus - viz - No. 642 of E.R. Vasey's 1880 Coll. from California. It evidently belongs near B. grandiflora & B. ciliatus and yet differs materially. It is 6 & 8 inches high, stem smooth, flaccid, no pubescence an inch or more long, with broadly elliptical segments, one half or twice longer than the tube, filaments a line long each, 3 line long, sagittate, longer than the deltoid-acuminate staminoidea; the ovate ~~ovoid~~ ovary, sessile capsule having 6 seeded cells. The leaves are flat, a line broad, and the segments of corolla not so distinctly 1 nerved as in the allied species. If you desire last I will send my specimen to you and if the thing is new I owned suggest Vasey's name for it.

Shall be glad to hear from you soon and please let me know news of Dr. Geller, Envy

Yours, very truly,

P. H. Gandy

species. He prefers them however cover the nothing about it. At Cascade Head I was delighted to see the trees growing directly on the edge of the cliff. The risk of dropping down a thousand or so feet would not warrant the climbing of the trees so that I had much ado to get specimens. This was finally accomplished, and Sargent now has the majority of them for distribution in Europe and elsewhere. While here we partly took a pleasant walk of about a mile over to the "Bluff" - a bold promontory north of the hotel, putting a fine pass called Jones' Gap, up which is the main road, from Knoxville and the country around, to Pennsylvania. Here I was fortunate enough to find Schweinitzia and Dysponium Buckleyi - the latter in abundance - (a large specimen has gone to Cambridge). Of course we went to Caluda Falls and, having fine clear weather, had lovely views of the mountains back and the plain

Wilmington Aug. 6th 1881

My Dear Dr. Gray,

Your kind letter to Mr. Redfield and me came this morning. Though I had been wishing much to hear of you & Mrs. Gray's welfare directly, I scarcely hoped for it, knowing how occupied you must have been with "labors more abundant" even than usual. It is needless therefore to say what pleasure it gave Mrs. Canby and me to read your letter; for a long time we have only had what we could glean from the brief notes of Prof. Sargent or Mr. Watson. Your account of your journey through France Italy, Switzerland &c., like so many pleasures of the traveler back, is ravishing. How you must have enjoyed it and what an additional fund of delightful recollections you will have for all the fu-

time; and we trust, too, that in due time you will return reinvigorated, notwithstanding the labor, to bestow yet many years of happiness upon your friends.

We have of course had your newspaper account of the hot weather abroad. Now we are having it here to the full – The Thermometer away up among the nineties, and the country parched and dry from lack of rain. It almost seems as if we had had an importation of "English Dog days". It must have been severe enough with you – if it equalled this horrid "tropic wave" that is upon us now.

We are living at home in the quietest way and I know of nothing, Islamic or Occidental, which you could not get in much better shape from your numerous correspondents. Of course the most universally exciting event of this year has been the attempt upon the President life. The feelings, first of horror and indignation, and now of hope, have been more universal and deeper than could have been supposed possible; and this is as true in the South as in the North.

In June, in company with my sister and two other ladies, I made a delightful two weeks visit to our old "happy hunting ground" from Caesar's Head to the Roan. We went South by the "Piedmont Air Line" to Spartanburg, South Carolina, and thence by rail (making close connection) to Hendersonville – the latter a delightful ride of four hours, with beautiful views in climbing and crossing the Blue Ridge. Stopping one night at the latter place we reached Caesar's Head next afternoon. How I did the auto collecting with mentioning on the whole trip. Engelmann's account of the new Yuga Carolinicana was very interesting and of course I was on the look out for it. You will remember "Buck Forest Notes". In front of this are growing two small Hemlocks one of which, although it was without cones, I felt sure must be the new

Aug 6 81

before the Rhododendrons in such glories bloom. One entire day we had rain - the next was worth any dozen that I had spent there before. I can only hint at the beauty of the cloudless sky above, the ocean of fog below and the breaking up of this into the thousand fleecy clouds which sailed thro shadowy over the mountains. I must not close without adding that Mr. & Mrs. Beach (the latter we knew as Miss Beach when we were there in 1879) had a little daughter born there while we were there. Our ladies tried to get them to call it Roanetta but I think without success. The father insisted that the name should have the letter R. in honor of Mrs. Beach's native State. Those happy days at the Roan have made my pen run on until both you and Mrs. Gray will thank heaven that I can't get any more in. So thanking you again and with Mrs. Curtis; and my own warmest regards and best wishes for both of you, and Mrs Gray, and already forwarded for an early safe and happy return to your home, I will only say further that I am, as ever,

Sincerely and affectionately Yours, J. M. Curtis.

below. I am confident that both the Black and the Roan can be seen from the "Head". Going northward, our party arranged to start early to get to Rock Forest by 8 A.M. and take until noon to visit the various falls of "Little" river in that vicinity: and then to get ~~on~~ to Hendersonville by night. This we accomplished and had a delightful time, the falls being well worth a visit; but to me the pleasure was much enhanced by seeing many of the two Alleghanian Hemlocks going side by side along the river, thus showing well the points of contrast. I afterwards saw T. Caroliniana at lower elevations than Englemanni allows; the lowest being not much more than 2000 ft. above tide. One other botanical item surprized me much - this was to see Dar-racenia rubra growing plentifully near Hendersonville. From this time we went by stage to Asheville. The Western North Carolina R.R. (Mr. Gray will remember her comfortable night) ride to this

Morganton is now finished to this point, and by next summer will be done to Wolf Creek down the valley of the French Broad, whose beautiful scenery will then be attainable without the horrible stage ride which nearly finished poor Mrs. Engelmann. Probably the N.C.R. from Hendersonville will have been by that time finished to Asheville. While speaking of railroads I may add that there is now one to Cranberry Forge reaching to within eleven miles of Cloudland and this in time ought to make the access to that mountain much easier; so that it is evident that the Carolina mountain region will soon be much more generally accessible. To resume the account of our route — From Asheville we went to Marion by rail and then over Swannanoa Gap, and down on the other side by that wonderful pass which you will well remember and which made me pretty almost crazy with delight. At Marion we spent the night and were comfortably taken care of at the Hotel by John Bryan who now added this business to that of his store. The next morning we were off by 6 A.M. for Bakersville. Where we arrived about 7.30 P.M.; the ride of 35 miles somewhat tiresome and in places rough, but affording grand and beautiful views, especially along the valley of the Catawba and in crossing the Blue Ridge, from which we had a near and magnificent view of the Black Mt. All the roads are found thus abominable in both North Carolina & Tennessee, and that from Bakersville to Cloudland was so dangerous & tiresome, as that we had to go round the foot of the Roan and up from Wilder's Forge. Every time I go to this blessed mountain I feel disappointment on account of having had too exalted ideas of its beauty, and on this I find myself mistaken and that I had enjoyed it by not fully appreciating it — and this last visit was no exception. I [illegible]

Wilmington Oct. 2, 1881

Dear Mr. Watson

Of course it is right for you to sell the whole set only if that is better for Mr. Emrick — & how is the S.S.C.

If any be as well to send also the Sicilian plants. Possibly I may select a few, but Prof Parlatore and Mr. Ball have well supplied me with Mediterranean plants of that district and so probably nearly all will go to the Phila Acad have now — as they get all my duplicates, &c. I have been able to increase their collection by many hundred during the last year.

Thanks for information about Orlandia.

I am thinking continually about our dear friend, the Gen —

and heartily wish them a most

prosperous voyage.

Yours truly

Wilmington Dec. 7 1881

My Dear Doctor and Mrs. Long

This is a stormy day here and may be so at Cambridge; but whether that be so or not I hope it is a most happy one for you because you have arrived at home and found all your friends safe and well. This will reach you after those who must have been so eager to welcome you will have had the happiness of having their desires fulfilled, and with them I hope not be intrusive. It will at least tell you how much I have thought of you since the 26th ult. and how sincerely I congratulate you on being once more at home.

Mrs. Early joins me in this and in the heartiest good

wishes for the future.

Ever friendly Yours

Wm. M. Lane

Wilmington Nov. 7th 1881

Dear Mr. Watson

The bundles came all right. I have only just now had time to look them over. The Sicilian plants are very nice and interesting. Many of Cesati's are good and he will interchange in future. Of the latter I find two labels missing. The one of an Aster placed in the panel between Senecio nebrodensis Nees & Erigeron Bloomeri, I take it to be A. Dumosus Lindl. The other is a Phacelia with the habit of P. circinata very calycosa & probably, I suppose, a form of that species. It is placed between Agrifolia flavescens & Pachystigma Myrsinites. Will you be so kind as to send me a card saying whether or not my surmises are correct.

I suppose that you have the happiness to have Dr. Gilles [illegible] with you

Mrs Mine.

Wilmington Jan. 13 '1882

Dear Mr. Watson,

The note enclosed came to me this morning from D. McRitchamp. The latter part of it prompts me to offer to send to Mr. E. D. Barker, through you, my specimens of Chamaerops Hystrix received some years since from Dr. M. They are good flowers and also fruit, stems and the various forms of leaves. I do not wish to forestall D. McRitchamp and the contribution, if accepted, should be considered as coming from him. He will doubtless get an all good specimens during the Spring.

Yours truly,

Jno. H. Hall Jr.

Wilmington Jan 27 1882

My Dear Mr. Ives

Your two cards at hand for which many thanks. It was a sorrow not to meet you and Mrs Ives at the Ford Redfields, and a sorrow that there was cause for our not seeing them.

Mrs. Cauly's weak eyes were severely strained last fall resulting in an exudation between the choroid coat and the retina finally working its way through the latter with a danger of detachment. This by great care was avoided, but a scar has been left on the retina so far impairing the vision - and there is much inflammation and consequent opacity of the

vitreous humour which she thinks is perceptably increasing. She is in much fear of the result and very much depressed about it. She wishes me to say that she is very much obliged for your kind sympathy with her in what she feels to be a real affliction.

Our little boy is about well but his nurse has taken the disease but is improving, and we hope to be clear of this trouble soon.

With our kindest regards for yourself and Mrs Tracy,

Ever truly Yours,

J. M. Adams

Board $2.00 per Day.
$10.00 per Week.
$30.00 per Month.
(Four Weeks.)

PERFECT EXEMPTION
FROM
HAY FEVER.

Address,
Cloudland, Mitchell Co.,
North Carolina.

DAILY MAILS.

Cloudland Hotel.

Top of Roan Mountain.

(6,391 FEET ABOVE THE SEA.)

L. B. SEARLE, - - PROPRIETOR.

Cloudland, N. C. Jany 27 1882

Mr. Wm Canby

My Dear Sir, -

It is now winter & then comes Spring & then, unless Nature gets unusual, will follow Summer, and Roan Mountain and the Rhododendrons &c, &c, &c, (particularly the &c's) Remembering the very cordial interest taken by yourself and family last Spring in Cloudland and Roan, "the highest Town baby" &c, - I want to write you a brief family letter - I address it to you but it is intended for you all -

I will issue some new Circulars in Feby and if Mr. Canby

would like to see his name in
print in connection therewith;- if
he would take upon himself the respon-
sibility of saying something complimen-
tary about Roan Mountain or Cloudland,
I would feel highly pleased and am sure
that, I, at least, would reap substantial
benefits

I wish you would all come
again & see us - I am going to
try during the coming summer to
make an impression - be on hand
prepared, or will be, to feed people &
to wait upon them - I don't think we
shall ever "get to be" very stylish;
and if you meet any real fashion-
able people tell them to come & see
us with only two good flannel
suits - (Navy blue preferred) - and
a gum coat and pair of rubber
boots. Tell the hungry to come

"to the Land of the sky where the rivers
run brown" and where beef is only
$4 per 100 lbs. Eggs, 10¢ per doz, Chickens,
12½ cts each, - butter 10¢ a lb -
Honey 10¢ per lb - and speckled Trout
only 12½ to 10¢ per lb. Notwithstanding
nevertheless, we can't board the hungry
for less than $30 per Month - (4 weeks) - Be-
cause Why? - Because of the quantities
that they will eat. - Tell those that
are not hungry to come & we will
give them an appetite - Tell the
sick to come & we will try to give
them an appetite. Tell those who never
saw flowers, or mountain views to come
and see some.

Will you please notify me, at
an early day if any who will
visit us.

Roanita has been sick for
sometime. She seems to suffer

from indigestion. She is teething & has had a cold & we sometimes fear some brain trouble. We hardly expect to raise her.

I very greatly regret my inability to send the plants to Mrs. Candy for which I am sorry & sent the $2. I returned the $2 late in Oct & gave my reason. I hope she received them all and accepts the last. We never heard from her. I am again working in this city & left the Mountain before Mrs. C's letter came & returned only for a few days to look up.

Please write me at Chattanooga, Tenn. and believe me

Very Truly Yours.

L. D. Sears

Chattanooga, Tenn -
Feb 18th 12.30 a Midnight -

Wm. M. Canby:-

Dear Friend:-

Our dear little Romita died last night at 7.30 p.m. of Water on the Brain - She will be buried to-morrow p.m. - You & your sister & Mrs. Canby were so good and interested in her babyhood on the high Mountain that we feel like telling you among the first of our great grief. She has been so much better of late that we were very hopeful. She has been so bright and laughed & crowed so much & we were very happy in her - Our heart are nearly broken; My poor wife is truly desolate - Our only consolation is that our love

is her gain & that she is our baby
still in Heaven and well & strong &
free from pain. We are watching
with our dead. One of my assistant
teachers is keeping watch with us.
Baby was so well at 2 P.M. and
nursed so finely and with such satisfac-
tion. At 3 she was taken with vomiting
and never rallied. She did not
hope and never had convulsions.
She passed away so easily that we
could not believe that she was dead.
'Tis hard to give her up.
We are most sincerely
Your friends
Mary B. & L. B. Searle.

Wilmington Febr. 16th 1882

My Dear Dr. Gray,

I enclose fruit of Bontiana from Cumming and the best I can send of Symplocarpus from my Herb. These things are to commence with us that I suppose we have not thought them worth collecting!

While with Mr. Redfield on Monday evening he told me of the designs of the Metropolitan Museum in regard to a Botanical Collection, speaking also of your connection with it. I told him that I had been thinking of selling my Herbarium and he thought that it would be worth while to mention it to you. It is not necessary that I should give my reasons for wishing to dispose of it at present further than perhaps better supply those needs than any one else and it would get my care, attention and a great deal of work gratis. This is the general idea not very lucidly expressed. It is enough however until I hear from you.

Until I again hear from you I should like this to be considered confidential. You can probably tell me whether or not there is any thing in it. If not it need go no further. In case you think it worth pursuing we can speak more definitely. I shall be obliged for your candid opinion and any guidance for any advice you may give.

Sincerely Yours,

J. H. Redfield

to say that it is getting so large as to somewhat beyond my control as at present situated.

I do not know how the idea of thus disposing of it may strike you or whether indeed it would be a desirable ~~de~~ acquisition to the Museum. You know to some extent what it is - it being, perhaps among the largest private Herbaria of this country. It is the result of nearly 25 years labor and has cost me a large amount of money. All the American plants are glued down and the foreign ones as far Umbelliferae are complete in this respect and a great many other of the largest genera are also done; such as Galium, Senecio, Centaurea, Euphorbia Salix, Carex &c. &c.. I should like to finish the balance of the gluing down and could do it in a comparatively short time.

It is not necessary to speak of the price until something more is known by me but I may say something of terms. If not for cash for a price agreed upon how would an arrangement like this strike you. The value or price for the whole including duplicates, paper, cases &c to be agreed upon and this to be vouched and the interest to be applied by me to the care and increase of the Herbarium (not including anything for my own services) the principal to be paid to me or my heirs or assigns, whenever the property changed hands; all sums coming into my hands for said care and increase to be strictly accounted for. Of course this means that the collection would remain here where I could superintend it; the advantage being that knowing what was most needed I could

Cincinnati Feb. 23 1882

My Dear A. Gray,

I am very sincerely obliged for yr kind favor of the 19th. I have written to Sargent and told him that yr will turn over my letter to yr to him, & with what I have written and yr letter to me will explain all. If then yr will hand that letter to him when yr next see him I shall be under further obligation.

Your suggestions are excellent and I have adopted them with pleasure.

Mr. Conby's eyes are not much injured. For more than two weeks she has not been downstairs and has had to lie still in the dark. It is an ischæmic and hyperæmic. It was a pulsating pleu-

Sure to hear of Mrs. Gray and your
own appearance of excellent health &
the satisfaction, Science reigns &c &c.

Is there no way by which you
could have another helper like Watson
to relieve you and him too for that
matter? Cannot Boston and Cambridge
and Harvard manage this? It cer-
tainly ought to be done for your own
comfort and the good of all.

Ever sincerely Yours

W. Gray

I inclose some fragments from what
I have taken to be a very narrow leaved
and silky pubescent form of Ophioglossum
Vulgatum from Mrs. Austin. The largest
leaf is the full size in my specimen which
are glued down & not worth sending un-
less you wish them.

Wilmington Mar. 2 1882

My Dear Dr. Gray

The enclosed may interest you and Mrs. Gray and perhaps the Beverly friends - to whom and you all my warmest regards.

I find that I am re - gretting, more now than I ~~had~~ should have supposed I would, the loss of our good Mr. James. I suppose as one gets older these shocks of - fect us more than in former years.

I have a pleasant letter fr - Pauy today.

Do send to return the letters or to - answer this

Ever sincerely Yours

Wm. M. Canby

THE WILMINGTON
SAVINGS FUND SOCIETY.

WILLIAM M. CANBY, *Pres't.*
J. E. SMITH, *Sec'y.*

OFFICE, No. 730 MARKET ST.

Wilmington, Del., March 10 1882

My Dear Dargent

I am greatly obliged to you for your friendly effort, and letter in relation to the Barbarian business which I am well satisfied to keep as it is.

My wife's eye is no better and I anticipate that it will never be of any use; the other is very weak and I fear that she will never again be able to do more than a most limited amount of reading and writing. You can readily understand that I shall be most willing to do this for her as well as to attend to what has been more particularly in her charge in domestic matters and in the education of

one children. If the proposed sale of the Barbarian had been carried out it would have enabled me to have travelled to some extent for her benefit as well as for its increase and improvement or to have devoted some means to purchase of specimens, &c. But, with the uncertainties of the future, it is, I think, better that things should have turned out as they have.

Again cordially thanking you I am as ever,

Sincerely Yours

J. M. Maury

Wilmington Del. March 16th 1882

My Dear Dr. Gray

Mrs. Canby and I send our very warmest thanks to you and Mrs. Gray for your kindly sympathy. We really feel that it is a great misfortune that threatens us but I fear that I may have conveyed, in my note to Dr Sargent, an impression that the trouble was somewhat more than the facts warrant. The oculist tells me that he has but little hope of saving one eye but is going to keep Mr. Canby in the dark, mostly, for two months more. If there is no improvement he will give it up and then the remaining eye — always weak — must be used with the greatest ca

lest it fail also.

I pray me that it is not and may not be total blindness though bad enough.

You add kind deeds to kind words and I am very grateful for your offer of the specimens. As I do not like to be a day from my business than can be avoided I make the suggestion that they be sent here at my expense. I could quickly select what I might need - which perhaps would be few - and then forward to Phila. Acad. adding some of my own duplicates. But if this does not meet your views I will try to go to the Head. to select.

Mrs. Cauby unites with me in affectionate regards to dear Mrs. Gray and yourself

Ever sincerely

Wm. M. Canby

Wilmington Oct. 19th 1882

My Dear Dr. Gray,

I have made up a package of all the plants which I lately collected in Montana except those too common or well known to bother you and Mr. Watson with; and expect to send them by express tomorrow. Some I have sent because they were good or peculiar specimens and some to mark locality. Again there are some which I cannot name. I presume that Mr. Watson will look into those belonging to orders which he has specially studied such as Chenopodiaceæ Liliaceæ, &c.. If not asking too great a favor I should be glad to have my names corrected when

necessary; and to have the names of those of which I am doubtful or have been unable to name.

The latter are as follows

Allium from Bald Mts. very fine
Calochortus fruit only Specimen
Nabenaria — the spur seems very short
Eriogonum near multiceps from Bald Mts.
Aneda root from Little Missouri
Aneda small " Gallatin
Chenopodium from Bentley = A. hyperleucum, var.
Amaranthus " Gallatin = A. Californicus
Phlox in fragments. When gathered it formed a thick mat two to four inches in diam. & an inch in height
Artemisia tridentata ?
A. arbuscula ?
Eriogonum No 2
E. " 3
Astragalus caricinus Pk. ?
Astragalus Menziesii Nos. 1, 2, 3 & 4
Astragalus fruit only, this very peculiar
Thalictrum from Little Missouri

I hope that I am not troubling you & Mr. Watson too much. If so just chuck the Specimens into the waste basket.

I spent yesterday afternoon with Sargent in Phila.

Miss Clara Redfield has, I hear, returned home very well and very much delighted with her trip.

Very truly Yrs,

Jno. M. Coulter

Wilmington Nov. 11th 1882

Dear Mr. Watson,

I was invited by the P.M. at Boston to send for your letter which only came to hand this morning. I am very much obliged for the list and delighted to hear of the proposed Index for Vol. 1st of your Contributions. I do sincerely hope you may have time to get it up.

I am writing at my office but will look up No. 319 Palmer - as soon as I go home.

I find that I collected your ~~Carex~~ Angelica Lyallii on the Bear Mts., Montana, near the summit of a pass leading to "White Bluff". It was such a big thing that I only got one specimen, now glued down and in Herbarium, but I can send it on if you think best.

I am so pained to hear of Dr. Gray's accident and sincerely hope that he

may suffer as little as possible and reach home sooner. I will write to them at once.

Very truly Yrs,

Without a label,

I have what I doubt not is Nr. 319 on a sheet with Nr. 202. Parry & Palmer which you say is Calliandra microphylla. They are evidently of the same species and the 1880 plant has the locality "V;" or "Mountains 24 miles N.E. by N. from Mercedes" - "first 6 days Sept. 1880"

I cannot determ. Leptosp. var: hirsuta in Nr. 236 nor a Pithecolobium in Specimen without label - or I will put them up in such a way that you can easily return them and will ask you to name them.

Wilmington, Dec. 11th 1882

My Dear Dr. Gray,

We have been very much grieved to hear of your accident through a note from Mr. Watson received this morning, and sincerely hope that you have not and will not suffer very much from it. Mr. Watson says that it will delay your work a little but you must not think of that as a loss. Mr. Smith wrote me that he felt, from the tone of your note to him, that you were overworked. If this accident does not give you much pain or does not result in permanent injury it may be a blessing. Somewhere I have read that Prescott, after accomplishing one of his works, always did some "Literary loafing". If you only knew how to "loaf"! From personal experience I can recommend it as being perfectly delightful.

After you are well enough to travel would not a

journey this way do you good. It would be a great delight to see you and Mrs. Gray here. The weather will probably be charming here for some time yet and the country is also very pretty.

You will be pained to hear, that day before yesterday I met Rothrock in Phila. with both hands tied up. He had become blood-poisoned while performing an operation and told me that he had been making necessary arrangements at the University, and was going home to go to bed. I could not help thinking of poor Dr. Engelmann and what a time he had in the same way. But I do hope Rothrock's trouble may not be serious.

Mrs. Canby sends her warm sympathy with and regards for you and Mrs. Gray in which I heartily join.

Do not write until you are fully able - but believe me

Yours most sincerely,

Wm. M. Canby

P.

Any credit for these Specimens should be given to the Northern Transcontinental Survey under whose auspices they are made.

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. Dec 28th 1885

Dear Dr. Gray,

Thanks for the Bigelovia and your kind good wishes, which I heartily reciprocate wishing you the utmost happiness and prosperity and a good and happy delivery from Asters and such like Cranes.

I send by express today another lot of Asiatics, also some Ranunculaceae & Compositae included. These I have had to arrange with those received previously and this makes the numbering awkward - as B. 65. b. c. d. e. &c but as they are not likely to be quoted to any extent it will make but little difference.

With these I send the Compositae of Brandegee's 1878 Coll. It is altogether wrong that I send no notes, but I have only had time to put them up and number temporarily to correspond with those here. I wanted you to have them early. As I work along in this Coll. I will get to the proper numbers of these & then send numbered labels. Most of them I probably know but of some I shall have to ask the names. I think Brandegee's Aplopappus is among them inadvertently put among the Lessingia. I will send by mail a Sphaeral sea which if new may bear the name of S. calycosa. Ever truly Wm M Canby

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. 188

E. affine var: Coll. Vasey Colorado No. 467. calyx spathaceous, teeth variable in number and length as in the last sometimes 1 short and 2 longer sometimes but 1 or 2 very short ones.

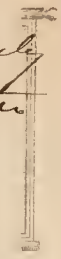
E. affine? var bracteocalyx Coll Canby 1871 Mt. Colorado. calyx spathaceous, teeth more pronounced in the edge of the tube, or sometimes very broad and short teeth.

E. — Cascades of Big Blackfoot river near the mountains (forming near Dryas Drummondii & Brepis elegans, Hook. Much like your specimens but the calyx somewhat different in shape sometimes no teeth sometimes only one or two small ones ½ to 1 line long. A specimen sent with the asters.

Notes on G. affinis Nutt. & vars in Herb. Canby 1883

No. 442 Palmer 1876 - The species as I suppose - but an specimen - calyx lobes variable generally about 3 lines & tube 5 lines long.

G. affinis Coll. Canby Colorado 871 calyx teeth 5? usually nearly as long as tube but very variable in length as even on the same flower



G. affinis Coll Lemmon 1874, No 179 about as alone as regards calyx but with shorter teeth

G. affinis Coll H.H. No 468. Just like Specimen of Coll Canby

G. affinis Coll E.L. Greene Pinos Altos Mts. N. Mex Sept. 16' 80 calyx teeth often very long & slender sometimes longer than the tube but very variable - calyx often spathaceous. Racem long, often 8 inches or more, the lower flowers axillary and long pedicelled (N. Bigelovii Gray?)

G. affinis - Coll Canby Coppercopolis, Montana, 1882 - calyx regular - teeth variable in number & size 1/2 to 2 1/2 lines long all shorter than the tube and apparently prolongations of its angles.

G. affinis var. = G. heterophyllus, Nutt. Coll Pringle - Plains of Mendocino Cal. Aug. 5 - 1882 - calyx somewhat spathaceous with 4-5 long and prominent teeth often longer than the tube of the calyx.

G. affinis var: brachycalyx H.H. No. 469. calyx somewhat spathaceous teeth 1/2 line to 3 lines long sometimes apparently only 2 to 3 in number shorter or rarely nearly as long as the tube - sometimes these appear to be no teeth.

G. aff. var: br. Coll. Hayden 1871 - Upper Falls of the Yellowstone calyx spathaceous with very short and broad teeth or even none flowers shorter and narrower.

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. Feb. 4 1884

Dear Dr. Gray,

Thanks for your note - the oldest one (Aster acuminatus &c) came after I wrote my last. What their Aster or Erigeron may be it is hard to say.

I suppose if you could see specimens of Helianthus decticularis with branches gradually dwindling down to H. petiolaris as the ground got poorer or dryer, you would be tempted to unite them - but the mass of each species was distinct.

106a Dalibarda Canadensis. I suppose even the description here between Helianthella nuttallii & H. lanceolata and last decided as much by locality perhaps as anything. Unfortunately there is no ripe fruit - no more ripe than you have.

Now for the Pedicularis. Your calyx lobes of Dalibarda plant seem much too long for P. Canadensis - at least for my specimens - but I only have Wats. Hartwegii & Parryi, besides other differences; and much more European species but they may run together. I have not sufficient material to work up.

Ever truly
T. H. Canby

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. Feb. 14 1884

Dear Dr. Gray,

Here is the last half of Brandegee's single specimen of the new Erigeron - much good may it do you! I wish it would cure your cold which I do not like to hear of your having. In one of these Erigerons with hairy achenia is not the outer pappus a mere continuation of the pubescence below rather than an ordinary pappus?

I saw Mr. Redfield in Phila. yesterday. He and family are in good health.

I have now gone over all Scribners specimens and the Cambridge set would be sent as were it not that Mr. Scribner wishes to go over the grasses again and make some notes, and requests for Mr. Vasey to aid him by comparisons of his specimens with yours. He made his collections of grasses and some of the other specimens will be worth keeping.

Brandegees specimens within are sweet - The flora of the Columbia & Cascade Mt. region seems to be to a certain extent different from those of the East, South, and West. Specimens with notes will

Copies sent to Vasey and Watson.

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. Feb. 27th 1884

Dear Dr. Gray,

The package has come and does the specimens of Pedicularis which somehow went astray, probably to Wilmington North Carolina. I am very much obliged for the specimens and the naming. One of our troubles in getting plants from Cusick, Howell and others is, that we are apt to consider that they have been named at Cambridge and then rely upon the labels being correct; indeed we have not the ability to make them so if wrong because we have not access to authentic specimens or to original descriptions. Thus I could make nothing but "hash" out of the specimens purporting to be *P. canadensis*, *P. odontolenuis* var: &c. &c. I also wish heartily that you had had these long ago.

The Pedicularis has the long calyx teeth but they are crenate while those of Arthur's collection are not. The teeth of the galea fine as "good character. It would seem as if *P. Bulbisa* must include *P. scopulorum* as a variety, Arthur's specimens being intermediate.

I fully supposed you had Brandegee's No. 99 coll 1882 / Origin

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. 188

Solidagoperennis from the Collector or Mr. Redfield. I was so informed and also that you considered it a var: of S. odoratus. ~~Last year~~ In 1882 I had no control over Brandegee's Collection, as they belonged to him. In 1883 they were the property of the Survey and I am distributing them as such.

I have never seen anything wild (or tame for that matter) like the Solidago integrifolia?

I have an impression that somewhere there should be another specimen of that Babcanorhiza. If it turns up I will put it aside for you.

It is pleasant to hear of you getting on so well with the printer.

Very truly

Wm. M. Canby

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. July 3 1884

Dear Dr. Gray,

Replying to your card I will say that I know no other way of looking up Darlington's Louisiana plants than to see if it can be found in his Herb. or that of Townsend - both I believe in Westchester - or by searching along the Brandywine above the forks. I will try to do this soon if I can get away. I suspect this plant to be a form of L. sempervirens which is not uncommon I believe, in this flora but which is so common along the Brandywine near here that it should be found higher up. I have seen it with yellowish flowers and corolla decidedly unguiculate.

When are we to have your Compositae?

I received Mr. Ball's pamphlet on the Flora of North Patagonia mailed from Boston and knew he must be in this country. I suppose I cannot now get to see him until the Phila. meeting and perhaps not there for I may not be there. Can you tell me where a note would reach him?

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. 188

I notice your account of Trudeau in the Botanical Gazette and am grieved to hear of his death. He was one of the most honest and high-minded men I ever knew. By the way he lived a good many years in this country after he came from Nicaragua first I believe in Missouri then at Capsina in this state and several years in this city. Finally he suffered much from a severe attack of rheumatism and it was this which drove him to Trinidad. I wish I knew what had become of his poor brother whose mind was very feeble so much so as to render the care of some one a necessity. I fear he may have fared badly after his brother's death.

Some people would hardly understand me if I told them that I had a considerable part of the Mechanism of the Universe in my gauge. But you will know and can perhaps tell me what I had best do with this Lunatic.

Yours ever
Wm. M. Canby

Northern Transcontinental Survey

DEPARTMENT OF ECONOMIC BOTANY
Wm. M. Canby, in charge.

Wilmington, Del. July 22 1884

Dear Dr. Gray,

I went to Phila. yesterday to see about the proposed Arctic tour but found that the people I wanted to see were not of town and so accomplished nothing. In about a week I will try it again.

Having to go to the Academy I looked up the specimens there pertaining to the Lonicera grata, &c. At first I regretted that I had not looked up previously, your notice in the Torrey Bulletin having entirely forgotten the tenor of your remarks. Afterward I was glad I had not and could then examine the specimens unbiased by your views. I found no specimens in the "North American Herb." in Hunt's Herb. there is a sheet marked L. grata which contains three specimens and two labels well mixed up. Two of the former evidently belong to L. dioscoroides and with these I should put a strip of paper marked "Dr Hale". The other label was David Douglas ("Lonicera grata Nt") and I suppose belongs to the third specimen. I made as careful an examination of this as I could without tearing and dissecting the specimen and came to

the conclusion that it did not differ materially from the European specimens of L. Capnifolium. I think you say in the "Manual" "flowers smooth" – but they are pubescent in this and other specimens to be spoken of presently just as the flowers of L. Capnifolium are. While comparing with the latter in the "General Herb" I found two sheets marked L. grata. One of these contained (with some L. sempervirens) 2 specimens, equally well corresponding with L. Capnifolium as far as I could discern, which were fastened to the sheet with slips and underneath marked, apparently by Collins, "New York Locality". The other sheet contained three or four specimens much like these with no note of collector or locality unless there was a scrap marked, New York.

All these specimens varied so slightly from those of L. Capnifolium from Europe that my feeling was that they should be referred to that species. Indeed I am willing to hazard the conjecture that all the plants from which these and the Chester County specimens were gathered were derived from those planted in some old gardens. The vine has ceased to be planted and consequently no "escapes" can now be found.

The flowers of L. Periclymenum are described as having a "delicious odor" in an English Botany but nothing is said about those of L. Capnifolium.

Sincerely Yours

J. M. Canby

THE WILMINGTON
SAVINGS FUND SOCIETY,
WM. M. CANBY, PRESIDENT.
J. E. SMITH, SECRETARY.
OFFICE NO. 730 MARKET ST.,

Wilmington Del. Oct. 23rd 1884

Dear Dr. Gray,

Since we parted I have been going over my specimens of Compositae in order to send you the doubtful cases,- as we arranged when in North Carolina. Among these in the pigeon hole in the Gattinger Silphiums which by the way was given you once years ago. You had not got to these then and your remark which I pencilled down was "meant S. dentatum".

I want to beg off for a couple of days until I can get through once other genera. I will then send all to you by Express.

Brandegee or Greenly (I cannot now remem-

ber which but think the former) got some Cynoglossum Howardi in Washington Territory in 1882 but only in flower. It was last year that I got it in fruit on Mt. Helena and saw that it must be an Eritrichium. I believe that I called it E. Howardi on the labels but of course that does not settle the name although I suppose under the rules that the original discoverer should still be commemorated.

I hope Mr. Ball got cooled off before he left.

I re-inclose Sattinger's letter. An excellent man he is too!

I have to write at my office and so cannot get my wife's message but I know she would join me in kindest regards to you & Mrs. Gray. I hope you are both very well.

Ever faithfully

J. M. Coulter

THE WILMINGTON
SAVINGS FUND SOCIETY,
WM. M. CANBY, PRESIDENT.
J. E. SMITH, SECRETARY.
OFFICE NO. 730 MARKET ST.,

Wilmington Del. Oct. 27th 1884

Dear Dr. Gray,

I have just sent to you by Express a small package of dried specimens. Some are those you wished sent to you when you looked them over in Phila. and there are a few added which I feel altogether doubtful about or which I thought you had better see. The Silphium also goes with them.

I hope these may give you no trouble. It does not seem right to send these without making the best examination I could but I have not had time to do it.

Keep them as long as you

want it and when returned send them by Express at my cost.

Sincerely Yours

Wilmington Nov. 4th 1884

My Dear Dr. Gray,

I have your note of 2nd inst. Nothing could be kinder than your words - except your deeds. I am and always have been sincerely grateful for both.

Of course the Feudler notes can be kept and altered in any way necessary. I was afraid they would be too extended for one botanical journals and my wife made the same suggestion.

I ought to have written to Preston but have never done it; I did not think of the Cereus. If Eaton has nothing you had better write. They would be more likely to regard your wishes than mine.

If not in the way keep the

parcel a little longer. I have some specimens from Bowerly collected in the Cedarvale Park and may want to send a few for names. I have only looked over them hastily. Probably there is nothing remarkable. Perhaps Asplenium Bradleyi may be among them.

Election matters are brisk here and both parties confident as to the general result.

Kindest regards to Mrs. Gray

Ever yours sincerely

Wm. M. Canby

THE WILMINGTON
SAVINGS FUND SOCIETY,
WM. M. CANBY, PRESIDENT.
J. E. SMITH, SECRETARY.
OFFICE NO. 730 MARKET ST.,

Wilmington Del. Nov. 6th 1854

My Dear Dr. Gray

I have yours of 4th with enclosures.

Evidently Fenders' autobiography should be the basis of anything published about him; and if thus lengthened some might as well go in. So the whole thing had better be revised after you hear from Port of Spain.

Your precious time ought not to be taken up in mere copying. Suppose, between now and the time you hear from Trinidad, you look over Fenders letters & yourself and mark such extracts as you think should be made. I will copy them and string the whole thing out and send to you to alter, add to, amend, &c, as you

may think best; and to publish.

I return Eaton's letter retaining the autobiography for a short time.

Ever sincerely Yours

Jno. M. Mosby

THE WILMINGTON
SAVINGS FUND SOCIETY,
WM. M. CANBY, PRESIDENT.
J. E. SMITH, SECRETARY.
OFFICE NO. 730 MARKET ST.,

Wilmington Del. Jan. 20" 1885

My Dear Dr. Gray,

You and Sargent are the two most tantalizing people I know. Such an attractive programme as you have laid out! one alas that I fear I shall never be able to carry out for myself. But I thank you sincerely for your kind thoughts and devoutly hope that you and Mrs. Gray may have a most happy and prosperous journey and return in the best of health and spirits.

You note to the North Carolina "Professor" and Extirpator has been forwarded.

If you think best, send on Faudel's letter and I will make selections to

to go with the auto — and will take care of and return them to you. Perhaps Prof Sater may have some fun which something should be called.

Last summer you wished you could camp down under a peach tree — if reports are true you may have a good chance to roost in an orange-tree at New Orleans — but I truly wish you better luck.

Ever friendly Yours

J. M. Manly

If you write again I would be glad to hear how Miss Louisa Loving.

Wilmington May 8th 1885

My Dear Dr. Gray,

I thank the good luck that led me to write to Mrs. Bidwell and thereby get a letter from you. First let me say how glad we are to hear of your having had such a pleasant journey and to add the hope that it may continue to the end to afford you every gratification that you may desire. As you do not say anything of Mrs. Gray's health we feel assured of her health and know that she must have enjoyed the long and in some respects novel journey. If you went to Mercies what an interesting comparison you must have made of "Old" and "New Spain"; and I can well imagine what a treat it must have been to have seen the living flora

of the latter.

From various pack of California I have heard that neither you nor Mr. Watson's latest "Contributions" had reached botanists - Among Watson's n. sp. was the Lathyrus Torreyi - but as I have not his paper by me I cannot now refer to the distinctive characters.

As to the Brazilian plants it is a true Regnellidium and not at all a Regnellia: Particularly there was a single outlet, almost ripe, on one of the specimens, which removes all doubt. It is just that of P. but half the size and the corolla and foliage and also the habit of the plant are so different that I have thought it a new species and so noted it in my Herb. under the name of P. Austinae.

I am just about sending to Coulter the Autobiography &c of Sandler. There was much that was excellent in his letters to you from Colonia Dora. I think the extracts from these and other letters will make the article quite interesting.

How pleasant it will be to again feel that you are within a reasonable distance of us. Accept for both Mrs. Gray and yourself our best regards and good wishes for a safe arrival home.

Always sincerely Yours

Asa Gray

By the way Capt. J. Donnell Smith & I are talking of an excursion in the Great Mt. region with special reference to Aconitum reclinatum. Can you tell us where you "struck" it?

Wilmington May 9 1885

Dear Dr. Gray

I wrote to you yesterday at my office in reply to yours and this partly in reply to what you said about an alleged Ragisbothrys. When I went home I made a thorough examination of the specimens and especially of the one which bore the fruit. This was apparently on a branch almost from the root. At first I thought I was all right but noticing that there was a slight difference in the pubescence of the calyx I examined every part of the plant and finally found that the Ragisbothrys fruiting branch did not really belong to the main plant! It had evidently in some way been caught in the axil of a lower leaf and wedged in

so tightly that it had borne all the handling, poisoning, pressing down, &c., without being in the least disturbed. Mrs. Austin was in the habit of putting in a mass of specimens on one paper and this was probably the way in which ~~the~~ "we mixed those children up". I could hardly believe that I had been so deceived. It is now evident that you were quite right in your guess and that the main specimens belong to Hypnitzkia, probably to H. Dombeyi. I ought to have added before that I really did not believe the above until I had carefully dissected the most advanced flower I could on the main plant and found that in all probability the young gynobase was that of Hypnitzkia rather than of Plagiobothrys. You will laugh at me I know but I would rather have you laugh at this stage of the game than later. I write hastily with business going on all around me, but I "guess" you can make this out.

With renewed regards

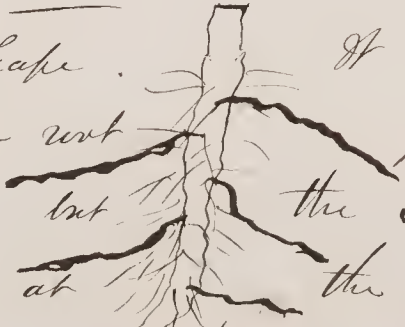
Yours truly

M. Manly

Wilmington Aug 15th 1885

My Dear Dr. Gray,

I am too busy to do more than apologize for not answering your kindness in looking over the Mimuli and for sending the beautiful Bryozoan specimen; and now again for your card about the Dougluseia. I am still somewhat undecided about these for D. montana is extremely common in some parts of Northern Montana and extremely variable. But I have not time now. I have looked at Mimulus ringens: it seems true to be perennial by stolons. A root will be in this shape. It does not seem as if the root proper could be perennial but the stolons probably take root at the end, and next year



plants come from these.

But I have not had time to properly investigate. I will however come and see you a visit.

I entirely forgot to send you Fenders letters (borrowed from you) when I sent on Minutes. I will send them in the package with Procedure.

In much haste

Yours very truly

J. W. Mackay

I send today some copies of the Fenders articles. Perhaps you may not need these — perhaps more than these; if so I have plenty. Very sorry to hear of C. Wights death.

Wilmington Aug 29th 1885

My Dear Dr. Gray,

Your kind note of 24th inst. came duly but several pressing affairs have deferred all correspondence until today.

I did not fail to notice what you say about the pubescence of the species of Douglasia mentioned. While I am not willing to think that D. nivalis and D. montana may be kept apart, there is yet great variation in the latter and no end of branched or stellate pubescence on the pedicels and calyx in most cases and indeed rarely a branched hair can be detected on the leaves. But mostly the leaves are smooth except the ciliate margins.

Mrs. Canby sends her kind regards to you and Mrs. Gray and thanks for your inquiries about her health, which I am glad to say has improved. She is staying much at home now on account of recent bereavements. We are expecting the children of some old and dear friends to visit us next month. I shall want to show them town and country, but must, if I can, beat away to meet Sargent at Norfolk, on his return from the proposed trip to the N.C. mountains, and pilot him up the Va., Md. & Delaware peninsula. It looks as if this might be towards the last of the month. As yet I have only his note proposing to leave for the Natural Bridge, Roan Mt. & southward on the 10th Sept. I wish I could take in the whole affair as he asks me to. But it seems strange to take that journey now without you and Mrs. Gray! And I do not see how I can spare the time for any except a very short journey this year. & we shall probably be pretty steady members of the "home guard" this season.

Ever sincerely Yours

Jno. H. Canby

Wilmington Sept. 22 1885

My Dear Dr. Gray,

I send by mail three specimens;— one a Ranunculus which may be R. alismaefolius var: alismellus, but seems to differ in its more erect and leafy stem, pilose pedicels, small flowers, &c.; one Solidago altera var:? and the other a Solidago which I cannot place but suppose to be near S. rugosa although the leaves are not triple-nerved. Will you kindly name these for me? I enclose labels.

As you seem to be going over the Orders from, or rather, after Compositae & Plantaginem please let me know what you made of the Pedicularis from McDonalds Peak

I can only see a var: of P. bracteosa in it.

No. 266 of my collection of 1883. I have
two new species of the Northern Trans-
Continental Collection of 1883 not yet pub-
lished – one an Astragalus collected by
Sweedy and Brandegee in Wells along the
Columbia River, Washington Terr.y being
No. 613 of the former and No. 731 of the latter.
I called it A. Sweedyi and I think Mr.
Watson agreed to this. Howell also collected it
in 1880 and distributed it under the name
of A. collinus, Dougl.

The other is somewhat between ~~Mytilla~~
and Tellima & Lithophragma but perhaps
nearer the latter having however but
5 stamens!. The petals are entire the
seeds many and roughened the calyx
tube almost cylindrical in fruit ad-
nate to the capsule and of course
enlarging with it. It would seem to re-
quire a distinct section or subdivision
in Lithophragma. I have it marked
in my Bot. as Tellima (Lithophragma)
pentandra. But you can see it for
yourself. It is No. 119 of my collection
1883 from Round Bluffs, Nevada Creek.
This is west of the Rocky Mt. range.
Scribner also got it near Bozeman
& Jefferson City on the eastern side.
It is quite remarkable in its character.

I hope that you and Mrs.
Gray are quite well. Mrs. Canby
joins me in kindest regards to you
both. As for ourselves the antici-
pations we had of a very pleasant
visit from some charming gray peo-
ple have been unfortunately dissi-
pated by one youngest boy taking
it upon him to have scarlet fever.
I am thankful to say that he is
almost over it and that it was a
very mild case leaving we hope, no
bad results except the quarantine
we must submit to.

Ever sincerely Yours, Wm. M. Canby.

Wilmington Sept. 29th 1885

My Dear Dr. Gray,

I have been "too busy for anything" for a week past and thus unable to answer until now. First as to the Syn. F. N. A. I understand you to say that all as yet published is to be reprinted with supplements to each part and bound together, the price for the whole to be $5.00. I suppose the reprinting is to be from the original stereotype plates and in cases where considerable alteration is needed, as in "Britt. Chimaphila" (olim), the whole thing will be done over in the supplement. Perhaps however the plates for printing Kryptotaenia, Plagiobothrys, and such like extensive emendations may be substituted for the old ones from which Britt. chimaphila was

(Tweedy's associate in collecting) have already been bound in the genus.

I have put the Hedeoma letters up with Brocaulonaceae which you will want sometime. But what shall I do with those boxes which contain so much of the "Mechanism of the Universe"! I think I will send them to Forte in Phila who sells everything good & bad

Ever truly Yours
Jno. M. Canby

Do you remember how Peter Collinson (I think) complained about the specimens that Linnaeus put him to by publishing so many new works which made all former ones useless? But he bought them nevertheless; and so botanists now must do with yours.

formerly printed. If this could be properly done it might be better: but I really know very little about these things and can only speak of convenience in use. Now addendae and supplements are of course more or less inconvenient but often almost indispensable and especially in such a work as the Synopticae Flora, covering such an immense territory in its scope, much of which is not fully explored and in almost all parts of which active minds are at work making new discoveries as well as emendations of old observations; in which two - that very inconvenient thing - a multiplied authorship in diverse or divers (at least) publications is taking place. Now looking at it in this way it certainly seems as if it must be a great boon to all former purchasers to have these things brought together and thoroughly revised by the best possible authority and the two volumes in one (a real convenience) for the original price of one; while for future purchasers it would be most advantageous in many ways. The lower price would induce many to repurchase and many others to buy who would be unable to pay the old one.

How it might seem to others I cannot of course say; but for myself I can only hope that you may carry out your design.

I am obliged for the names of the plants sent. Of course you are to keep the specimens. With regard to the accidents mss you and Watson do as you think best. Do not "inspect" my names if better ones are to be had - only I should like Sereno to have the credit of the Astragalus - especially as Bonvell and Bandegee [illegible]

Wilmington Nov. 6th 1885

My Dear Dr. Gray,

I have been much grieved that imperative duties have kept me from forwarding the Blennies you asked for as well as some of Mueller's specimens. Of the latter I have put up (I believe) all the species belonging to the Leptocidae Flora as published, and others which may be interesting. These are in two small packages - are unmarked containing specimens which are of no account to me, either from having others or being too far to keep. Those in the other package are mostly specimens and I should be glad to have those returned which you do not desire. You will see that the Blennius or Motella or Tellinia whichever it ~~may~~ may be turns up

again.

With the rest I have put in two sheets. In one is a Thucalia which I have supposed to be P. circinatiformis; in the other is a Sarcopyxis for which I can find no match - but as there are several allied species of which I have no specimens I cannot be sure that I am right in supposing it a new species. I should be glad to have your opinion on these two plants.

Do not hurry about returning the above.

I write in great haste.

Very sincerely Yours

M. Carey

Fendler's letter also returned

Wilmington Nov. 13 1885

My Dear Dr. Gray

I send by mail today additional specimens of Mundy's plants as follows. No. 722 which from the white wool I still suppose to be Aplopappus Macronema; 702 the Erigeron near E. ochroleucus, Nutt. 452 the Plantago. Also some other numbers for which you will find labels enclosed. All the specimens you have of the above you may as well keep if you want them as I have duplicates; and this also applies to the following numbers of which Mundy has sent me other specimens: viz 713, 715, 705, 740, 530 846 & 549. — or if names are preferred I called them Senecio [redacted] integerrimus (Mr. Mundy says it always has

single head) D. crassulus?, Erigeron
between E. caespitosus & E. Eatoni, Aster
adscendens, Tellima pentandra, and
the doubtful Oxytropis. And as I
said yesterday keep any others
you may need or desire.

In haste but sincerely
Yours,
W. M. Canby

The new Index will be a great
improvement of the 2 last. S. H.

Wilmington Sept. 9th 1886

My Dear Dr. Gray

We are grieved that you cannot carry out your plan of coming here and feel the disappointment all the more because we had so confidently counted upon it; but we will keep up hope for the future.

As you will not be here to look over them I will send the Portulacaceae to Cambridge by Express in a day or two. The specimens of Swede (taken at the same time) are better than those of Brandegee. There is a little plant with the larger ones.

Mrs. Canby sends her kindest regards. She has, with rare exceptions, given up reading and writing, feeling the necessity of retirement; but still has pretty

night.

I suppose you have known how sick Rothrock has been though now much better.

Mrs. Landy joins me in kindest regards to you and Mrs. Gray

Sincerely Yrs J. M. Landy

Wilmington Sept. 22nd 1886

My Dear Dr. Gray,

I have your card & note - and will explain the Brandegee and Tweedy affairs for I can see that there is a difficulty.

In sending out the parties under the Northern Transcontinental Survey there would be a number of surveyors and sometimes an "observer" or when the latter was not present one of the survey civil engineers would undertake the job of making the observations. Mr Tweedy was one of the survey party while Brandegee was technically an "observer". But both were of the same party most of the time and collected in exactly the same localities and in company. Brandegee was bound to make collections while Tweedy did of course them are next to no facilities here and not being much of a "plant shark" there are doubtless a number of mistakes in the naming of the plants.

Ever sincerely Yours

Wm M. Canby

it from him of it and the science; and the latter made better specimens than the former although fewer of them. All of Brandegees came to me as belonging to the Survey and made by its order. Sweely need not have sent his but chose to do so. I could not send out many of Sweely's but sometimes did so; but he deserves really more credit than Brandegee as he had no facilities furnished him by the N.P. Survey while Brandegee had. In the case in point the ~~specimen~~, if I remember correctly, the large and small specimens were together in each set and 685 Brandegee was exactly the same as 898 and 900 Sweely. At any rate both collected the large plant at the same time and place. Now for that place. "Mt. Stewart" ~~was~~ is the culminating point of the "Matchee regin" and "alpine" Matchie regin" really means Mt. Stewart. My ticket should have this and "near" erased. I did not understand this exactly until after my label was written and I had seen the Collection.

I ought to say that after taking out my set of the whole collection - I took out juveniles, but if I found the plant was desirable and there was but one specimen you generally got it. The next set went to the Academy N.S. Phila. and then there was not much left. Now if the specimens were evidently the same from both I might keep Sweely's specimen and send you Brandegees or vice-versa.

Only one thing more in explanation. None of the observers were no botanists; and you can hardly imagine the amount of trash I had to wade through. There were besides this 4 or 5 good collections including my own. All of these I had to sort and arrange and study as best I could, at times when my regular business (which had accumulated in my absence) permitted.

Wilmington Sept. 27 1886

My Dear Dr. Gray,

I think it would be fair & let Brandegee have some of the honor and so if please to do it name it C. Brandegei.*

I have looked over Miss Cummings list and find to my surprize that I have not quite one fourth of the species. I did not expect this after a long exchange with MacOwan and receiving many Cape Species indirectly from others. So I shall be very glad to take a set. I suppose Mr. Redfield will also, as I know that the Academy is even more deficient than I am. I will send him the list at once and if he takes a set they may as well come

* I notice that I wrote in my Bot. Arch. a no of Brandegee and Buck & Buck new to Brandegee

on together & the Academy.

The letter and list will go to Mr. Redfield today. It is too late to get a draft for the $21.- today.

I should like to hear from Miss Cummings again.

Very truly Yours

Wm. M. Mauly

The Wilmington
Savings Fund Society,
WM. M. CANBY, President.
W. J. ELLISON, Secretary.
Office No. 730 Market St.,

Wilmington, Del., Sept. 29th 1886

My Dear Dr. Lacy

Here is a draft on N.Y. for $21.00 for the Cape Plants.

Looking over Drdicatheca and noticing the ~~curvature~~ character of acute capsules which you give to D. Meadia I wish to call your attention to Patterson's Nr. 99. (1885) Long's Peak, Colorado, which seems to have the capsules more acute than any of my Atlantic Coast or Eastern Mexis. specimens.

Your Mrs Redfield day, who told me that he had written to me in regard to his set. I will send the letter as enclosed to me when it comes to my hand.

Yours truly
J. M. Canby

Wilmington Del. Mch. 29th 1887

My dear Dr. and Mrs. Gray,

If I had not been feeling like an old tool, more of much use and now about good for nothing, I should have obeyed my own impulse and Mrs. Canby's urging, and have written before this to say how surprised we were at the announcement of your proposed journey, as well as amazed at your "pluck" in undertaking it; but further than this to wish you a pleasant voyage, a happy sojourn and a quick and safe return - and finally that we may have the happiness to hear you tell all about it.

You must not take the time to answer this. In the fullest sense of the words we bid you an affectionate God-bye and remain,

Sincerely Yours,

T. M. & E. D. Canby.

Wilmington May 7th 1898

My dear Dr Watson

Thanks for all the trouble you have taken about Dr. Urban's Specimens - the box is here all right. I am to pay him 105 marks. and suppose I had best buy a draft and send direct to him. Shall I do this?

I will now doubtless devolve upon you to finish the Synoptical Flora. This being so I want to call your attention to two plants. One is what I have distributed as Astragalus Breweri, being No. 613 Brandegee and 731 Brandegee, from Hills along Columbia river Yakima County, Washington Territory, Oct. 1883". It is evidently the same as a plant collected by Thomas J. Howell in "Prairies, Eastern Oregon, June 1880", All

these are fruiting specimens and I have no flowers. It is much like A. collinus Nutt. as shown in Cusick's and Howell's specimens (the latter the "var: sub-glabra",) but the fronds are not pendulous but upright, on longer divaricate stipes and the leaflets longer and narrower. Dr. Gray thought it a good species and the name good but wanted for the flowers which I have never seen but which perhaps you now have.

The other, although we have it in good flower and unripe fruit, is quite a puzzle. It is what I called Adiantum (Lithophragma) pentandra and is No. 119 of my 1883, N.T. Survey Collection; No. 52 b., near Bozeman and Jefferson City, Montana Coll. Rydberg in same Survey; and is also 541 Coll. Suksdorf, "Woods along × Hoyle Creek Yellowstone Park, July, 1885". Dr. Gray wrote me that you thought it a Heuchera but I have never been able to see it there although it certainly is one of those species which would help to upset the arrangement of those allied Saxifragaceous genera. Suksdorf has put it into his Yellowstone Catalogue page 37.

At the proper time please let me know what you think of these.

You have perhaps wondered why I did not correct "Bigelowii Suksdorfii". I cannot, so far, in the absence of specimens, see that it is the same as "Bigelowii caespitosum var tenerum Gray" which must be the foundation for the species and so thought it best to let it rest for the present; although you will perhaps think that I am "taking a great deal upon me"; and I must myself admit that it is altogether likely that you are right.

Yours very truly J. M. Coulter

× In his Catalogue he says "Along Soda Butte Creek".

Wilmington June 21st 1888

My dear Dr. Watson.

I am now so little occupied in collecting and examining the plants of our Eastern border that I do not remember (off hand so to speak) of anything to communicate which would serve (as in a new edition of the "Manual"; but there is one thing which you would do if you lived near the border line of the Manual district. Dr. Gray once wrote when I sent him a number of southern species growing in this state "I see I might as well swallow Chapman". This is now what you ought to do. Botanically our County divides best into districts running from North to South. It would

no add two more to your list to take in the extra plants of Chapman's district and that district should comprise all U.S. territory east of the Mississippi river. Then there should be another "Manual" district of the "Plains" Flora including most of Texas. We already have another of the Rocky Mt. district in Coulters' Manual which, for the present, should be extended to the Mexican line. The "Botany of California" which must soon be revised and put in Manual form, is the fourth. Eventually it may be well to have a Northern Mexican and Southern U.S. division but it is not necessary now.

I am sure what a bother it is for border collectors to have to buy both the "Manual" and "Chapman" around with one you would have pity for us. Do think of this. The travel and intercourse North and South has vastly increased within the last ten years and it is only the beginning of a much greater increase. Southern capital is going South and we shall have more botanists there now who will join in the prayer for one book for this district instead of two.

Excuse the liberty I have taken and believe me

Yours sincerely

Wm. M. Canby

Of course if I note any information worth sending I will forward it.

Wilmington Dec. 14th 1888

My dear Mr. Watson

When I used to exchange views ago I tried hard to get Fujino recta but could find no one who knew of its existence. I think it must have been a mere waif and know nothing which would warrant its continuance in the "Manual".

I hope you are getting on well but do not doubt you have more than you really ought to do. I wish you could have two or three assistants for the work which really ought to be done and especially for the immense

correspondence which must have fallen upon you.

I have been wanting to send you a few specimens of the plants Sargent & I saw on our Tennessee journey especially one of Senecio Rugelia, but I have not had time to put them up and knowing how you hate must be occupied I have not written.

Liquisticum actaefolium is plentiful in woodlands at Mountain Lake Park Maryland – I brought home but a single specimen. Oxalis recurva Ele I found on banks of Cheat river W. Va. on line of Balt. & Ohio R.R. totally past flowering in Aug. when O. Stricta was still in full bloom. As

they grow in company they obstinately refuse to species out well marked.

Sincerely Yours

W. M. Canby

A plantation at Mountain Lake Park (near the Backbone of the Alleghanies) of the species of Rhododendron

Wilmington Feb. 25 1890

My dear Mrs. Gray,

Your most kind and cordial note has been received and most thoroughly appreciated and I am quite sure, that nothing could be more gratifying to me than to accept your kindness, if circumstances permitted. I hope to reach Boston Friday

been saddened by the news of Dr. Parry's death. It seems a very little time since he was here in, apparently, excellent health.

With kindest regards, dear Mrs. Gray, I am

Sincerely Yours

Wm. M. Canby

morning and, if possible, must be at home again Saturday night. In the mean time there will be some work to be done and some calls to make in Boston. I want to spend Friday afternoon at the Herbarium and, if perfectly convenient to you, should be very glad to take a quiet meal with you afterwards. I trust however you will pardon the necessity which will require me to return to Boston early in the evening.

Mrs. Landy desires me to give you her love and thanks. May Jimmy will be made too luxurious & be comfortable for her and she cannot well leave home at this time.

I saw Mr. Redfield last Saturday; he was then very well and very busy at the Phila. Academy. He reported his family in usual health.

Doubtless we have all

Wilmington Oct. 25 1890

Dear Dr. Watson,

I have no doubt now that Tuckerm. 1846 is the Echinolæna polysta chya Wahl. The glumes on my specimens vary from being as bristle as yours & having simple papillæ with no bristle elongation - and this on the same plant.

I find that my specimen of true Echinolæna is E. hirta, Darv. which may be the same as E. scabra, Wahl. as Blanchard says, some & intimate ("Species 1" or)

I am very much obliged for your sketches and other information which have helped me very much.

Sincerely Yours

J. H. Laubach

Wilmington Febs 18 1891

My dear Dr. Watson.

A german M.D. now residing at Monterey, Mexico wishes to sell some sets of plants either of the orders as far as the ferns or as well of the Mexican Lichenes and Fungi except the fleshy Agarici.

I do not know whether you are buying such things but I wanted to give you a chance. The price would be 6 cts per hundred

and I should expect the Speci-
mens to be fine and good. We
should have to pay the freight
from Monterey.

Kindly let me know
your decision in this matter
and believe me

Yours sincerely

J. M. Manly

Dear Dr. Fenton

[illegible]

Wilmington Mr. 27 1891

Dear Dr. Watson

I enclose description of an Eriogynia which I had proposed publishing as new and the plant itself goes by mail.

But I have learned that it has been sent to Cambridge and pronounced Spiraea Californica!

I think it abundantly differs from that but do not want to publish without your sanction.

Will you kindly give me your views and return the spe-

coins for which enclosed please find stamps.

I hate to trouble a man as busy as you are!

Very truly

Jno. H. Landis

Wilmington Ap. 30 1891

My dear Dr. Watson,

I have your two letters but I think you will have to "pick your flint & try again" I cannot believe that you thoroughly examined the plants. Moreover the argument as to locality is only good thus far; that it is different from the interior plant, in development. This does not account for the differences in the floral organs. &c. Hereon I will

again examine when you send my sheet back. I have also sent the mss.

It is proper to say that I have not seen the "Cascade Mts" plant mentioned in Bot. Cal., nor any specimens intermediate between the Washington & the interior plant. But there is no variation of any account in my Arizona specimens from Utah to Montana & westward.

Very truly Jno. M. Coulter

The Wilmington Savings Fund Society,

S. E. Cor. Ninth and Market Streets.

WM. M. CANBY, *President.*
THOS. H. SAVERY, *Vice President.*
W. J. ELLISON, *Sec'y & Treas.*

Wilmington, Del., May 27 1891

Dear Mr. Watson

Many thanks for your note just received and for the suggestions.

I have had no time since last writing to re-examine the Eriophyes; but I have received flowering specimens of Mr. Henderson's collecting and I confess I was much taken aback by them. I had also seen your very elation of E. canestrinus for the first time, and found that there was variation in a species wh. I had supposed, from all the specimens I had before seen, (including the original one of Nalepa), to be very constant. I do not propose to do anything further until I can get time to make a thorough re-examination. The filaments which I formerly examined (under a microscope) were considerably flattened at the base and I took this to show an alliance with the other sections.

Since the description was written Mr. Pope has written me that Mr. Henderson got the first specimens.

Yours very truly Wm Canby

Robinson who wrote me, a short time since, a most kind and friendly note.

Always, dear Mr. Gray, most sincerely and cordially yours,

J. W. Manly.

Wilmington Dec. 1st 1892

My dear Mr. Gray,

I cannot find the letter mentioned in your note of the 28th ult. recently today; but I well remember Dr. Gray's speaking of the plants mentioned which grew on Stone Mountain Georgia. I had previously found Diamorpha pusilla, Nuttall in great quantity there; but I was not sharp, as Dr. Gray was, to see that Sedum pusillum, Michx. was mixed with it. The two are entirely distinct and the detecting of

the latter
was an excellent re-discovery of
a rare plant.

Anything I can do to aid you
in regard to your work of love re-
specting Dr. Gray's letters would be
esteemed a privilege by me — for
Dr. Gray's memory will always be
precious to me.

I could not do otherwise than
I did about my Herbarium. It
was for so extensive for my care
and it was growing beyond any use
I could give it. It was better to have
it well settled while I was alive.
I do not regret the disposal of it.
I am now giving the little space
time I have, to forming a new one
for a Natural History Society here.

Thanking you much for your
kindly interest in us, I am glad
to say that my boys and I are
quite well. My sister, who now
lives with and cares for us, is, how-
ever, quite frail. Her poor health
caused me to pass through Boston
last Saturday without getting out
to Cambridge which was a real grief
~~to~~ to me. In addition to the plea-
sure of seeing you I wanted to make
the personal acquaintance of Mr.

Wilmington Mr. 14th 1894

My dear Mr. Gray,

The enclosed letter from Dr. Meelichamp has just been answered. What he says of dear Dr. Gray so touched me and so expressed my own feelings that I want to send it to you. Do not take the trouble to return it.

I hope you are very well and that you are enjoying them

lonely autumn days!

Ever sincerely Yours,

F. Mendelssohn

Wilmington Nov. 25th 1894

My dear Mrs. Gray,

I think I must send you the inclosed to complete the set. Dr. Mallichamp is a very earnest and warm-hearted man, and just after the war, as before it, was as good a hater as could be found.

I duly received your kind note. I hardly go anywhere now of my own volition. When I do get off, it is generally as a more or less willing captive bound to some one's chariot. But I intend to "Strike for freedom" once of these

days and then I am sure that
centripetal influence will bring
me to the centre of things which
of course is near Boston. So
I yet hope to give myself the
pleasure of seeing you.

Mr. Sargent must have told
you that Dr. Mellichamp ~~was~~
is "a charming man".

Very Respectfully & sincerely
Yours, J. W. Mackay

Please do not take any trouble
about sending the letter back or
replying.

HOTEL PONCE de LEON
C.B. KNOTT, MANAGER.
STAUGUSTINE, FLA.

St Augustine, Fla. March 31st 1875

My dear Mrs. Gray,

Your note of 25th only reached me on my arrival here yesterday.

Of course I shall be glad to send you a photograph after I get home which will probably be on Ap. 9th. I do not believe

to enable to do anything for you in your investigations and this of Mr. Case is really a case in point. I never even heard of him.

We have taken a little run down here on my sisters account and mainly because she needed a change from home occupations. We have just returned from West Palm Beach and find that even there, the orange trees are ruined and the cocoa-nut palms seriously injured. The frosts of last winter have made desolation in Florida.

Hoping to be able sometime soon to have the pleasure of seeing you, I am, Very sincerely Yours W. H. Hauley

I have very few and therefore may be slightly delayed by having to get home. Do I understand you to wish my signature on it?

I am glad you liked the little notice I wrote of Mr. Redfield. I am afraid however that you will not think much of the one for the Bulletin. I was much hurried to get away from home and felt more or less hampered by the circumstances. Mr. Rand wished me to write something of Mr. Redfield's views on the nomenclature question but after doing so, the family thought it would hardly be courteous to Dr. Britton to speak of it and I was very glad to dispense with it. Our dear friend was one of the best men I ever knew. I feel lost without him - and a good deal as I did when dear Dr. Gray left us - as if botany was no longer worth pursuing. What you tell me of Prof. Eaton is very sad, but I do hope he may be spared.

I am so sorry that I have been

see us. It has been one of the great regrets of my life that my boys did not see our dear Dr. Gray at a time of life when they could remember him. I do hope that you will gratify us in this respect.

Mrs. Canby sends her love, and I am always truly and sincerely yours,

Jno. M. Canby.

Mrs. Canby and I, dear Mrs. Gray, always esteem it a privilege to hear from you and are always delighted to know of your welfare. If I can ever get Mrs. Canby to Boston we shall certainly come to see you; but at present, with warm thanks for your kind invitation, I fear we shall be unable to accept it.

Our youngest boy is just about after a light attack of typhoid fever, and our plans have much reference to his benefit. His mother takes him today to Womersville, Penn^a. After two weeks there she expects to spend two more at the sea shore, and, during August, we are looking to "Salt point Mt." as combining good mountain air and an extensive range of woodland.

The preparations for school and College will keep us busy after that - or that I see no prospect of Mrs. Cauby and I getting eastward this year.

Will you not be coming this way some time soon? Whenever you do come, you could not give us a greater pleasure than by stopping to

Wilmington April 29th 1895

My dear Mrs. Gray,

You will find with this a cabinet picture which I had taken several years ago. It is the only one I now have but if it is like the one you now have or if it is not satisfactory I will have another taken.

I had a rather pleasant journey to and stay in Florida owing principally to getting down to Lake Worth and across to Apalachicola. But everywhere

the country shows the sorrowful result of the cold last winter.

Dr. Chapman was very interesting and very much pleased to have seen you or rather of you. Except a little trembling of the hands and a good deal of deafness he looks very well. He was 88 last September.

I went to Apalachicola by a new route - viz - from Tallahassee to a town called Carabelle on the Gulf Coast by rail and thence by boat. It is very ugly about six hours from Tallahassee.

I do not believe that I told you that one of those little boys you once saw at our house is engaged to be married to a very nice young lady - Miss Edith Winter - of Germantown. I am very much pleased with it. My son (Manie) is now 24 - the lady 21. I am really quite foolishly happy over it.

With kindest regards I am very sincerely yours,

J. M. Manly

Wilmington May 4th 1895

My dear Mr. Gray,

A painfully disabled thumb makes it difficult for me to write with ease; but I want to thank you for your kind words about my new engagement. How remember you being true very well.

I sent you today a copy of the article on Mr. Redfield. You will notice some awkward typographical and other errors which

may mostly be laid to my charge
before the Florida journey; and
I do not like the tone of the
picture. Possibly Mrs. Redpath
may send you a copy also. She
has sixty for distribution among
her friends.

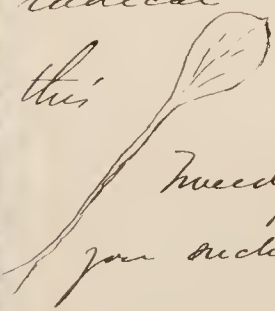
I am so out of the way
of autograph collecting that I
do not certainly know of a sin-
gle one. But I can make in-
quiry on your behalf.

I had a note from Mr.
Chapman today and only wish
I could write as well and neatly
as he! He is making a new
edition of his book and finds
the work a little arduous — as
indeed it ought to be one of
your age.

How very interesting your
collection must be; and I should
suppose extremely valuable! Some-
time I hope to see it.

With cordial regards
Sincerely Yours,

J. M. Cauly

P.S. I sent to the Bot. Gazette for publication in the Jan. No. a description of a new Equisetum found by Mrs. Cady in ~~Col~~ S. W. Montana. I take it to be near E. asperrimum but it is almost silvery canescent and has the radical leaves somewhat like this  I have called it E. Cadyi and will send you such specimens as I can some.